Pioneer DJ

Service Manual

XDJ-RX2

ORDER NO.
RRV4674

DJ SYSTEM

XDJ-RX2

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
XDJ-RX2	JXJ	AC 100 V	
XDJ-RX2	LWSYXJ	AC 110 V to 240 V	
XDJ-RX2	UXJCB	AC 110 V to 240 V	
XDJ-RX2	AXJ	AC 110 V to 240 V	

THIS SERVICE MANUAL SHOULD BE USED TOGETHER WITH THE FOLLOWING MANUAL(S).

Model	Order No.	Remarks
XDJ-RX2	RRV4673	BLOCK DIAGRAM, EXPLODED VIEWS AND PARTS LIST etc.

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K-ZZZ SEPT. 2017

SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

CONTENTS

SAFETY INFORMATION 2
10. SCHEMATIC DIAGRAM 5
10.1 OVERALL WIRING DIAGRAM (1/2) 5
10.2 OVERALL WIRING DIAGRAM (2/2) 6
10.3 MAIN ASSY (1/15) 7
10.4 MAIN ASSY (2/15) 8
10.5 MAIN ASSY (3/15) 9
10.6 MAIN ASSY (4/15) 10
10.7 MAIN ASSY (5/15) 11
10.8 MAIN ASSY (6/15) 12
10.9 MAIN ASSY (7/15) 13
10.10 MAIN ASSY (8/15) 14
10.11 MAIN ASSY (9/15) 15
10.12 MAIN ASSY (10/15) 16
10.13 MAIN ASSY (11/15) 17
10.14 MAIN ASSY (12/15) 18
10.15 MAIN ASSY (13/15) 19
10.16 MAIN ASSY (14/15) 20
10.17 MAIN ASSY (15/15) 21
10.18 MCJK and MTRM ASSYS 22
10.19 HPJK ASSY 23
10.20 USBA ASSY 24
10.21 AOUT ASSY (1/3) 25
10.22 AOUT ASSY (2/3) 26
10.23 AOUT ASSY (3/3) 27
10.24 UCOM ASSY (1/3) 28
10.25 UCOM ASSY (2/3) 29
10.26 UCOM (3/3), CHF1, CHF2 and CRFD ASSYS 30
10.27 PAD1 ASSY (1/2) 31
10.28 PAD1 ASSY (2/2) 32
10.29 PAD2 ASSY (1/2) 33
10.30 PAD2 ASSY (2/2) 34
10.31 MXRB ASSY (1/2) 35
10.32 MXRB ASSY (2/2) 36
10.33 LVMB ASSY 37
10.34 DCK1 ASSY (1/3) 38
10.35 DCK1 ASSY (2/3) 39
10.36 DCK1 ASSY (3/3) 40
10.37 DCK2 ASSY (1/3) 41
10.38 DCK2 ASSY (2/3) 42
10.39 DCK2 ASSY (3/3) 43
10.40 MEQB ASSY 44
10.41 RECB ASSY 45
10.42 JOGT1 ASSY 46
10.43 JOGT2 ASSY 47
10.44 JOG1 and JOG2 ASSYS 48
10.45 JLED1 ASSY 49
10.46 JLED2 ASSY 50
10.47 LCD ASSY (1/4) 51
10.48 LCD ASSY (2/4) 52
10.49 LCD ASSY (3/4) 53
10.50 LCD ASSY (4/4) 54
10.51 SW POWER SUPPLY 55
10.52 VOLTAGES 56
10.53 WAVEFORMS 57
11. PCB CONNECTION DIAGRAM 59
11.1 MAIN ASSY 59
11.2 MCJK and MTRM ASSYS 61
11.3 HPJK and USBA ASSYS 62
11.4 AOUT ASSY 63
11.5 UCOM ASSY 65
11.6 CHF1, CHF2 and CRFD ASSYS 67
11.7 PAD1 ASSY 68
11.8 PAD2 ASSY 69
11.9 MXRB ASSY 70

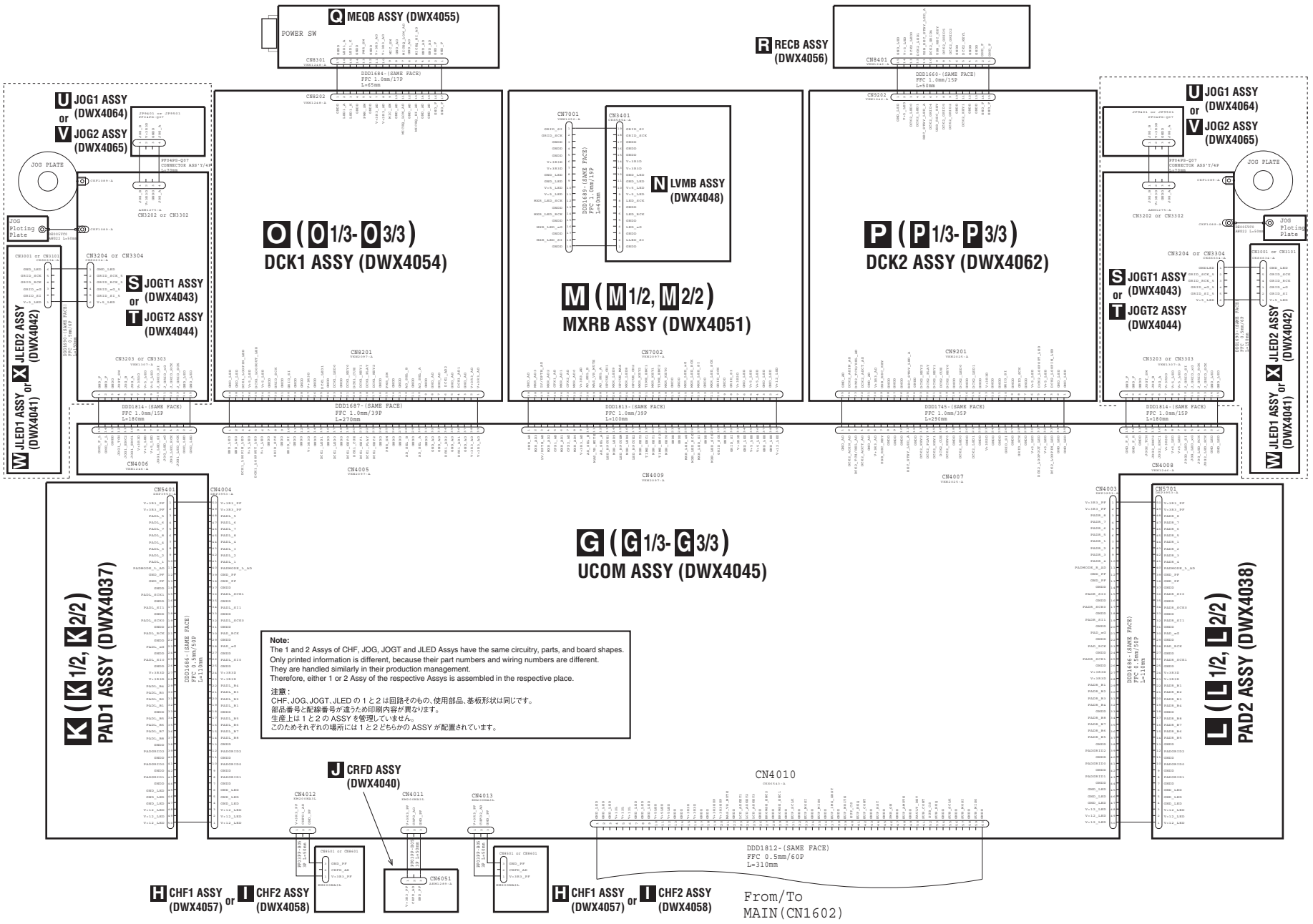
11.10 LVMB ASSY 72
11.11 DCK1 ASSY 73
11.12 DCK2 ASSY 75
11.13 MEQB and RECB ASSYS 77
11.14 JOGT1, JOGT2, JOG1 and JOG2 ASSYS 78
11.15 JLED1 and JLED2 ASSYS 79
11.16 LCD ASSY 80
11.17 SW POWER SPPLY 82
12. PCB PARTS LIST 83

10. SCHEMATIC DIAGRAM

10.1 OVERALL WIRING DIAGRAM (1/2)

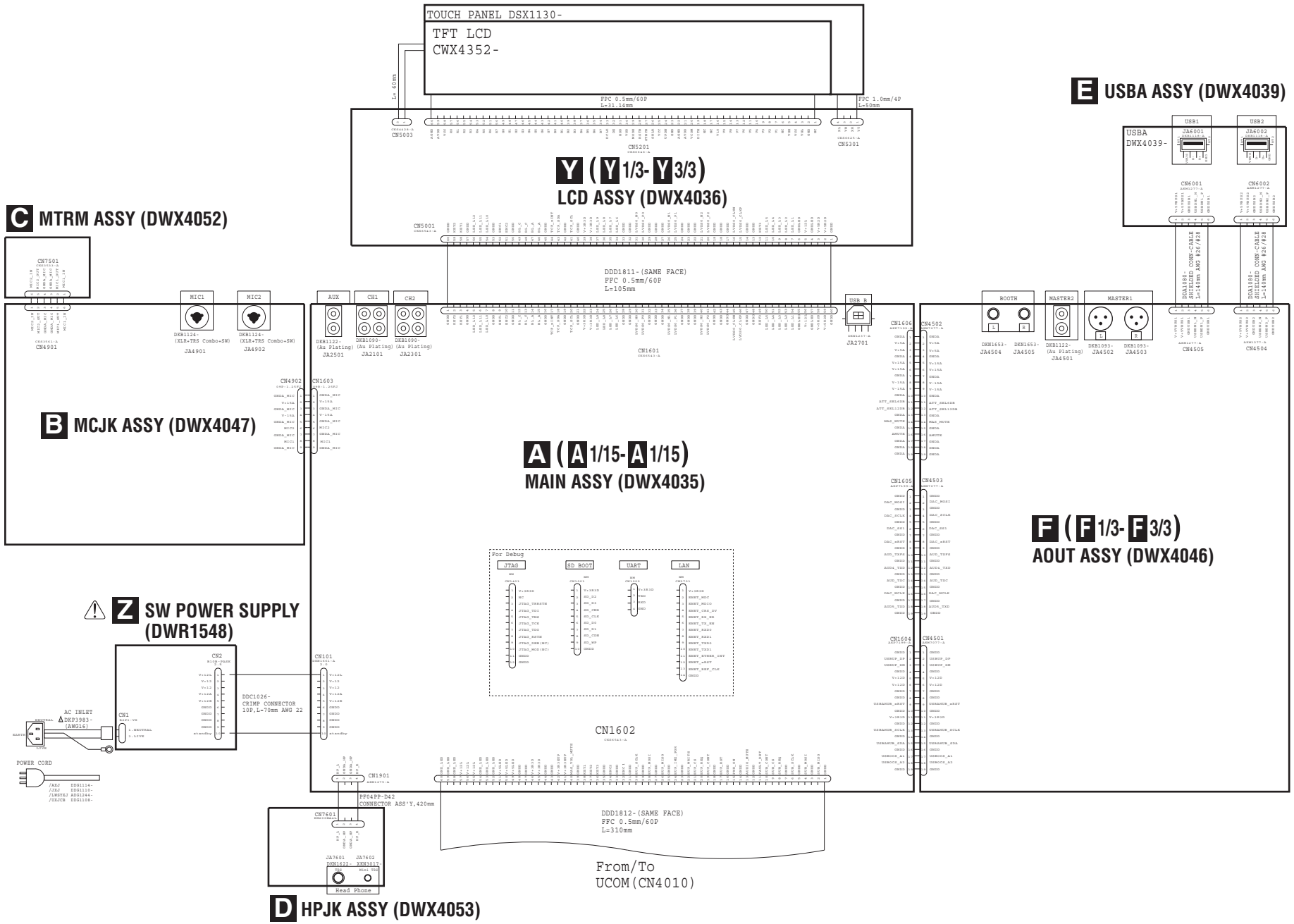
- 部品を発注する場合は、必ず「分解図と部品表」または「電気部品表」を参照してください。
- ⚠ 印の部品は、安全上重要な部品です。
  交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。
- ⬭ 印は電源の供給源を示しています。

- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
  Therefore, when replacing, be sure to use parts of identical designation.
- ⬭ : The power supply is shown with the marked box.



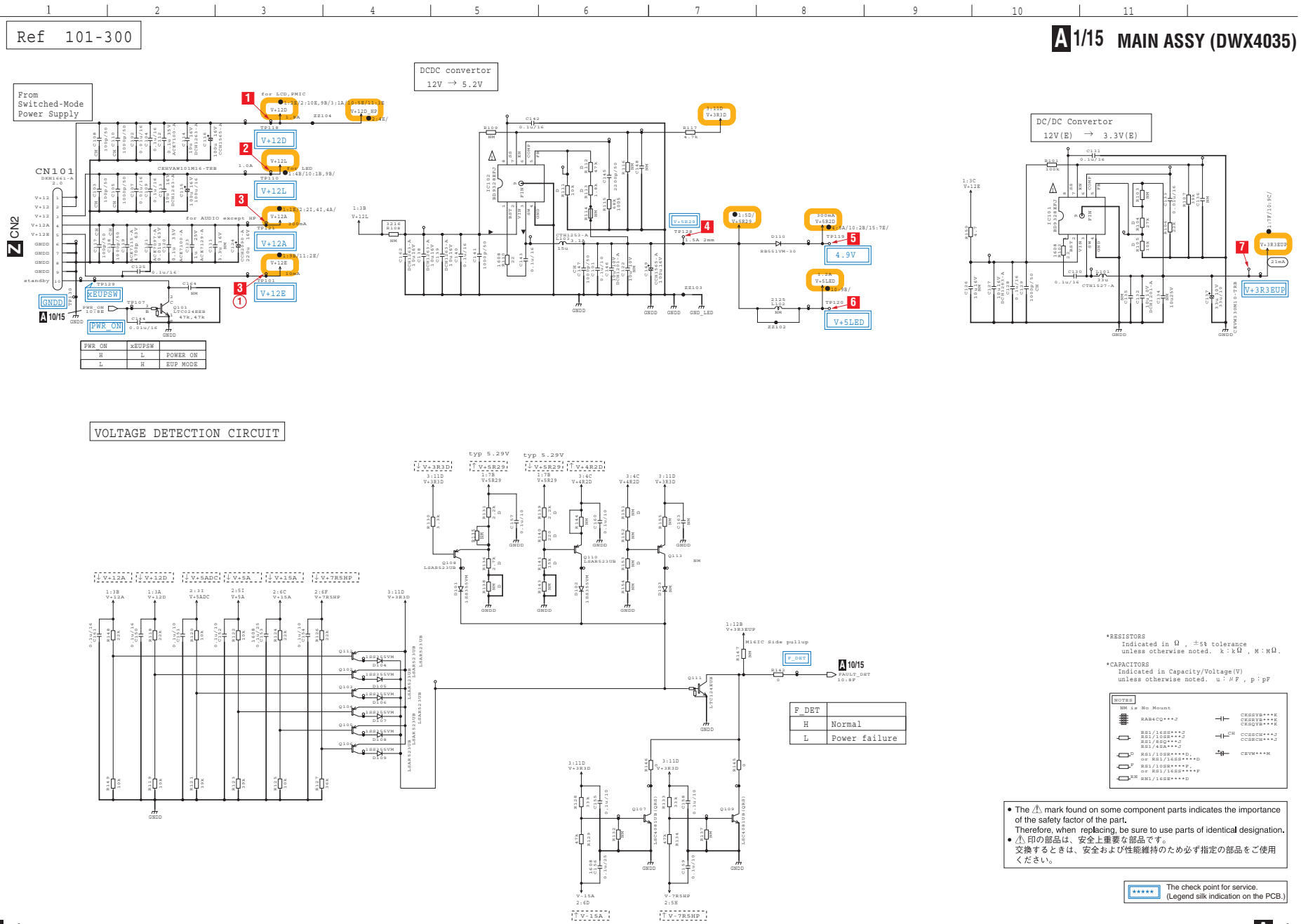
Note:
The 1 and 2 Assys of CHF, JOG, JOGT and JLED Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

注意：
CHF、JOG、JOGT、JLED の 1 と 2 は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 どちらかの ASSY が配置されています。


TOUCH PANEL DSX1130-
TFT LCD
CWX4352-
Y (Y1/3-Y3/3)
LCD ASSY (DWX4036)
E USBA ASSY (DWX4039)
USBA
DWX4039-
C MTRM ASSY (DWX4052)
B MCJK ASSY (DWX4047)
A (A1/15-A1/15)
MAIN ASSY (DWX4035)
F (F1/3-F3/3)
AOUT ASSY (DWX4046)
Z SW POWER SUPPLY
(DWR1548)
D HPJK ASSY (DWX4053)
For Debug
JTAG
SD BOOT
UART
LAN
From/To
UCOM(CN4010)

Ref 101-300

A 1/15 MAIN ASSY (DWX4035)



PWR_ON	xEUPSW	
H	L	POWER_ON
L	H	EUP MODE

F_DET	
H	Normal
L	Power failure

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

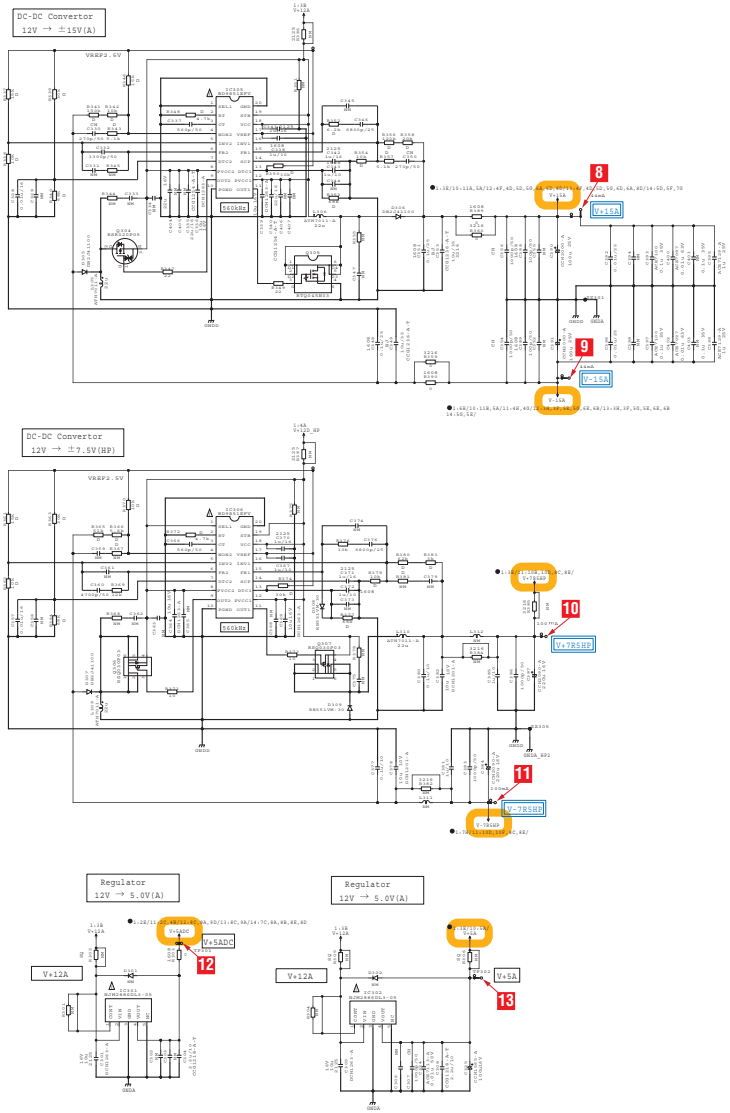
NOTES
NM is No Mount
RAR4CQ***J
RS1/16SS***J
RS1/10SS***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D, or RS1/16SS****D
RS1/10SR****F, or RS1/16SS****F
RN1/16SS****D
CKSSYB***K
CKSSYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVW***M

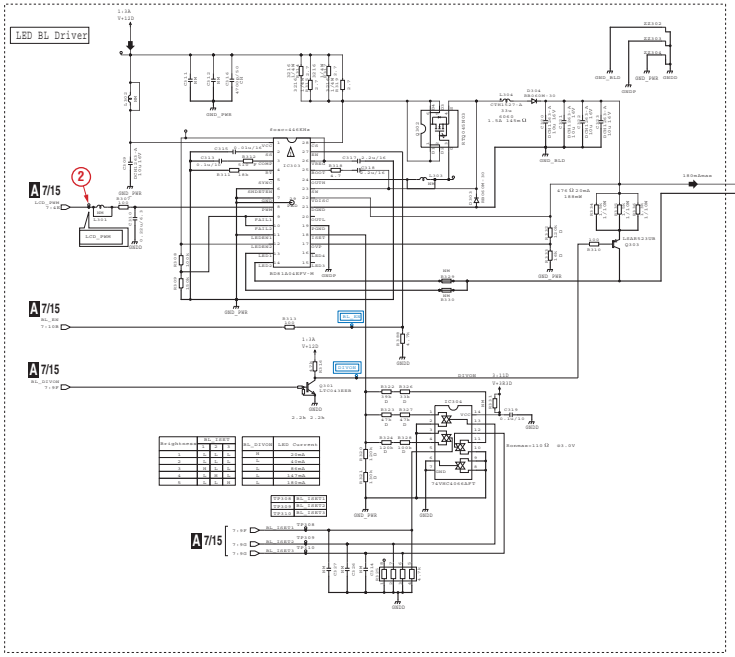
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
  Therefore, when replacing, be sure to use parts of identical designation.
- ⚠ 印の部品は、安全上重要な部品です。
  交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

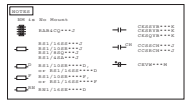
***** The check point for service. (Legend silk indication on the PCB.)

A 1/15

Ref 301-500





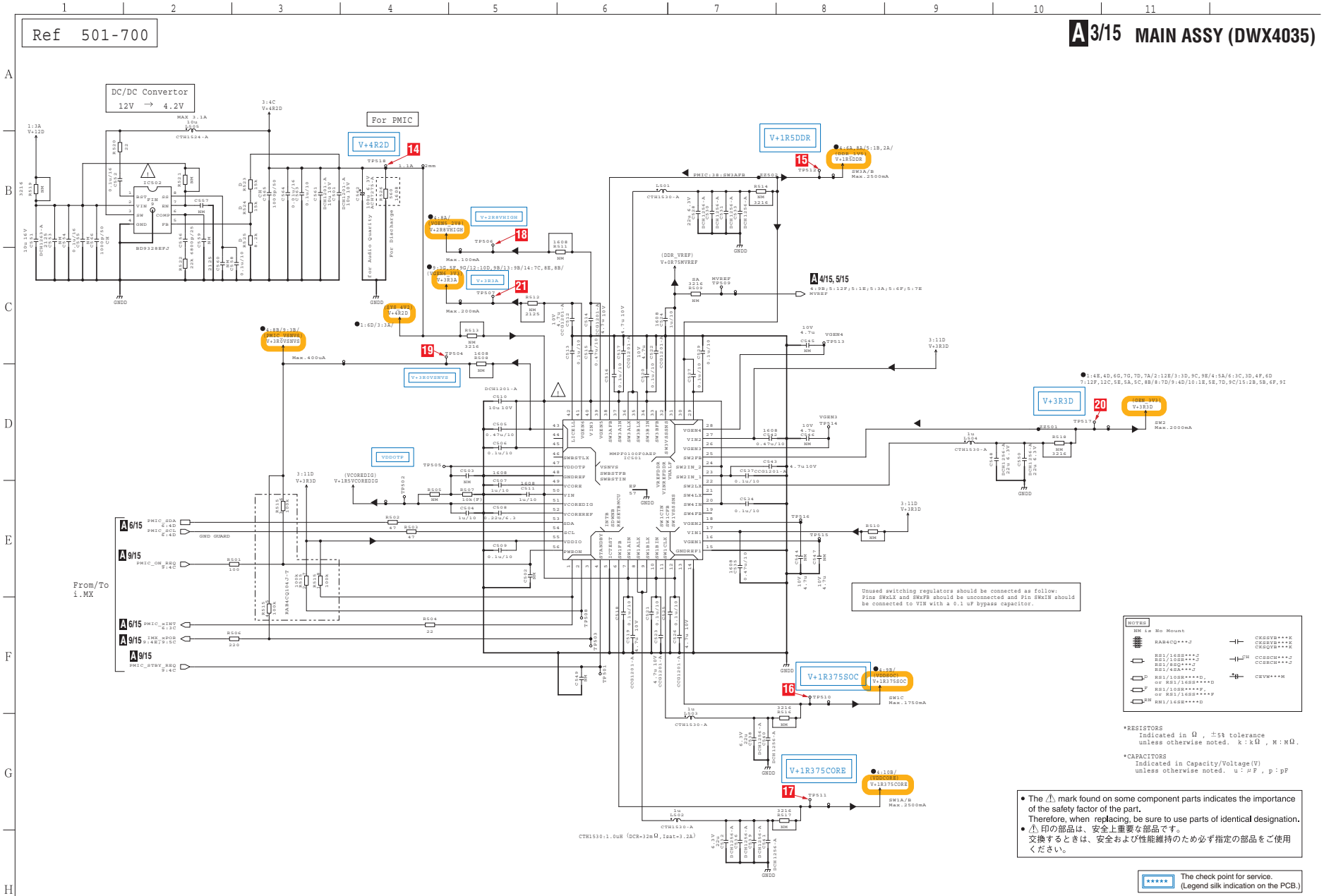


*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k:kΩ , M:MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u:μF , p:pF

- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
  Therefore, when replacing, be sure to use parts of identical designation.
- ⚠ 印の部品は、安全上重要な部品です。
  交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

***** The check point for service.
(Legend silk indication on the PCB.)


Ref 501-700
A 3/15 MAIN ASSY (DWX4035)
DC/DC Convertor
12V → 4.2V
For PMIC
V+4R2D
V+1R5DDR
V+2R8VHIGH
V+3R3A
V+3R3D
V+3R0VSNVS
VDDOTP
V+1R375SOC
V+1R375CORE
From/To i.MX
Unused switching regulators should be connected as follow:
Pins SW4LX and SW4FB should be unconnected and Pin SW4IN should be connected to VIN with a 0.1 uF bypass capacitor.
NOTES
NM is No Mount
*RESISTORS
Indicated in Ω , ±5% tolerance unless otherwise noted. k : kΩ , M : MΩ.
*CAPACITORS
Indicated in Capacity/Voltage(V) unless otherwise noted. u : μF , p : pF
• The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
Therefore, when replacing, be sure to use parts of identical designation.
• ⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。
The check point for service.
(Legend silk indication on the PCB.)
A 3/15

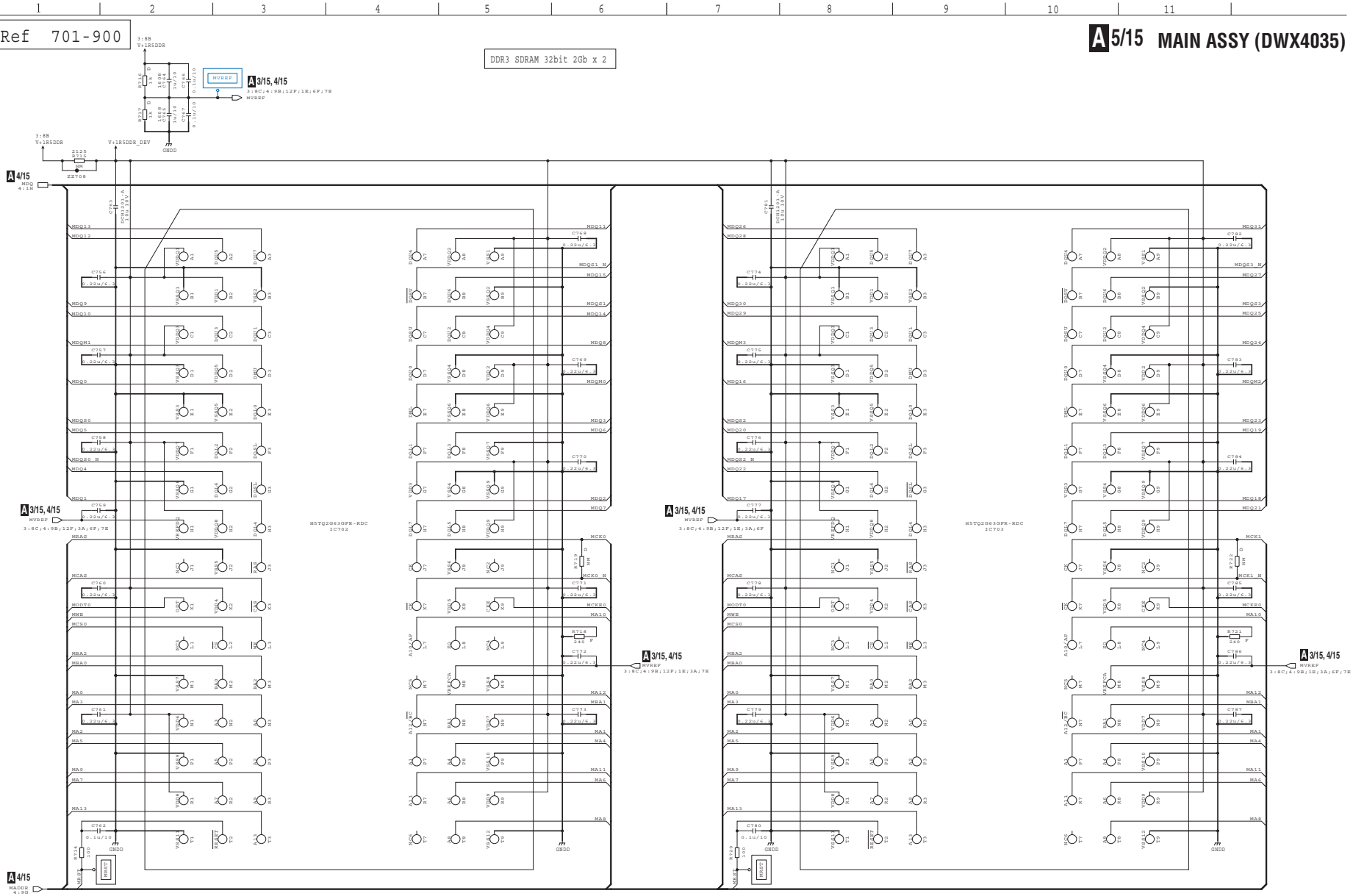
Ref 701-900

A 4/15 MAIN ASSY (DWX4035)

Ref 701-900

A5/15 MAIN ASSY (DWX4035)

DDR3 SDRAM 32bit 2Gb x 2



NOTES
NM is No Mount
RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D, or RS1/16SS****D
RS1/10SR****F, or RS1/16SS****F
CKSSYB***K
CKSRYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVW***M

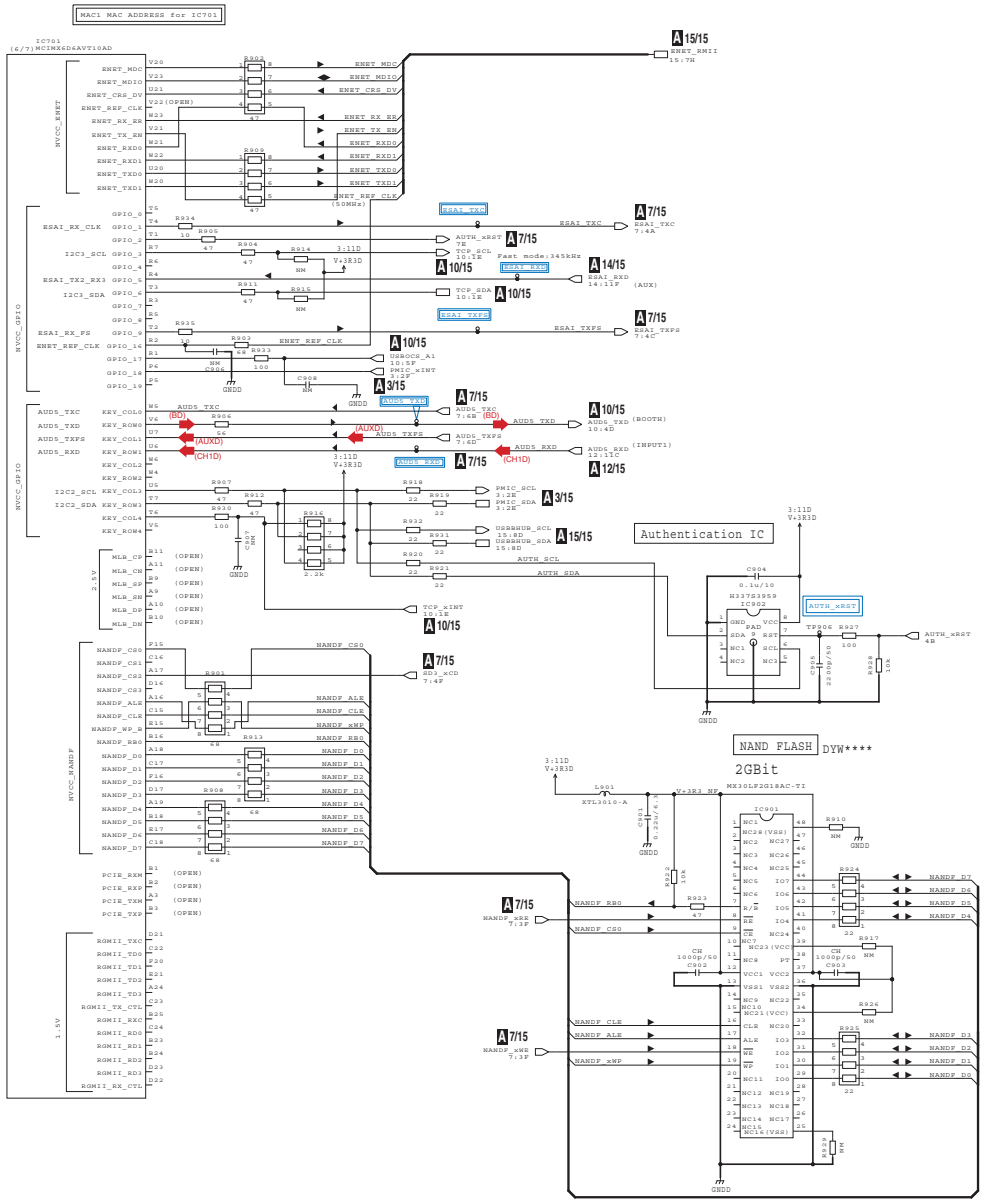
*RESISTORS
Indicated in Ω, ±5% tolerance
unless otherwise noted. k:kΩ, M:MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u:μF, p:pF

***** The check point for service.
(Legend silk indication on the PCB.)

Ref 901 - 1000

A 6/15 MAIN ASSY (DWX4035)



NOTES
NM i= No Mount

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

***** The check point for service.
(Legend silk indication on the PCB.)

(CH1D) : CH1 Digital Signal (L ch)
(AUXD) : AUX Digital Signal (L ch)
(BD) : BOOTH OUT Digital Signal (L ch)

A 6/15

Ref 1001 - 1200

A7/15 MAIN ASSY (DWX4035)

AUDIO BCLK

AUDIO LRCLK

To ADC

To IMX

To DAC

For Debug

CN1001

CN1002

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

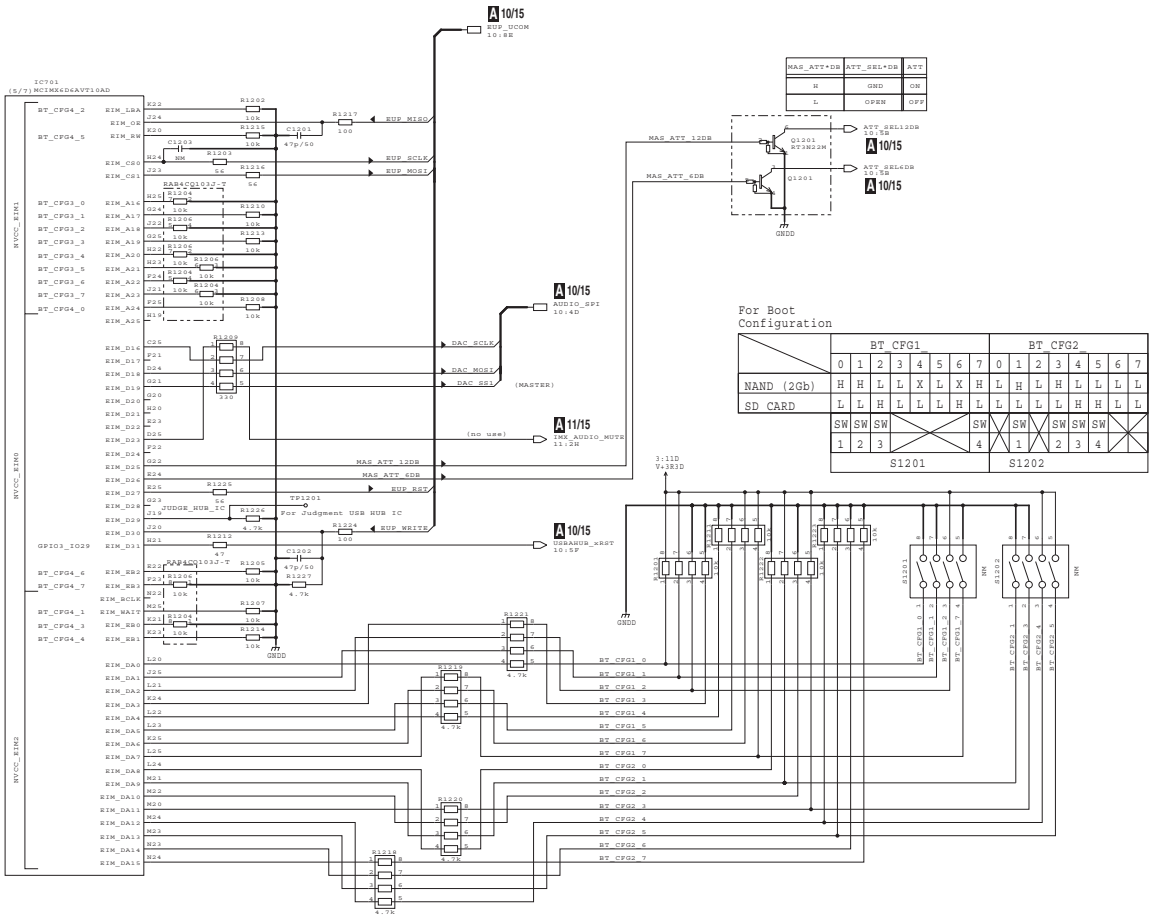
NOTES
NM is No Mount
RAR4CQ***J
RS1/16SS***J
RS1/10SS***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D
or RS1/16SS****D
RS1/10SR****F
or RS1/16SS****F
RN1/16SE****D
CKSSYB***K
CKSSYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVM***M

***** The check point for service.
(Legend silk indication on the PCB.)

(CH2D) : CH2 Digital Signal (L ch)
(MAD) : MASTER OUT Digital Signal (L ch)
(HPD) : HEADPHONE Digital Signal (L ch)
(MICD) : MIC Digital Signal

Ref 1201 - 1400

A 8/15 MAIN ASSY (DWX4035)



NOTES
NM is No Mount

RAB4CQ***J
RS1/16SS***J
RS1/10SS***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D, or RS1/16SS****D
RS1/10SR****F, or RS1/16SS****F
RN1/16SE****D
CKSSYB***K
CKSSYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVM***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

Ref 1401 - 1600

A 9/15 MAIN ASSY (DWX4035)

BOOT MODE[1:0]	※0 : OPEN
00	Boot from fuses
01	Serial downloader
10	Boot from board settings (Board Default)
11	Reserved

NOTES
NM is No Mount
RAR4CQ***J
RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D, or RS1/16SS****D
RS1/10SR****F, or RS1/16SS****F
RN1/16SS****D
CKSSYB***K
CKSRYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVM****M

*RESISTORS
Indicated in Ω , ±5% tolerance unless otherwise noted. k : kΩ , M : MΩ.

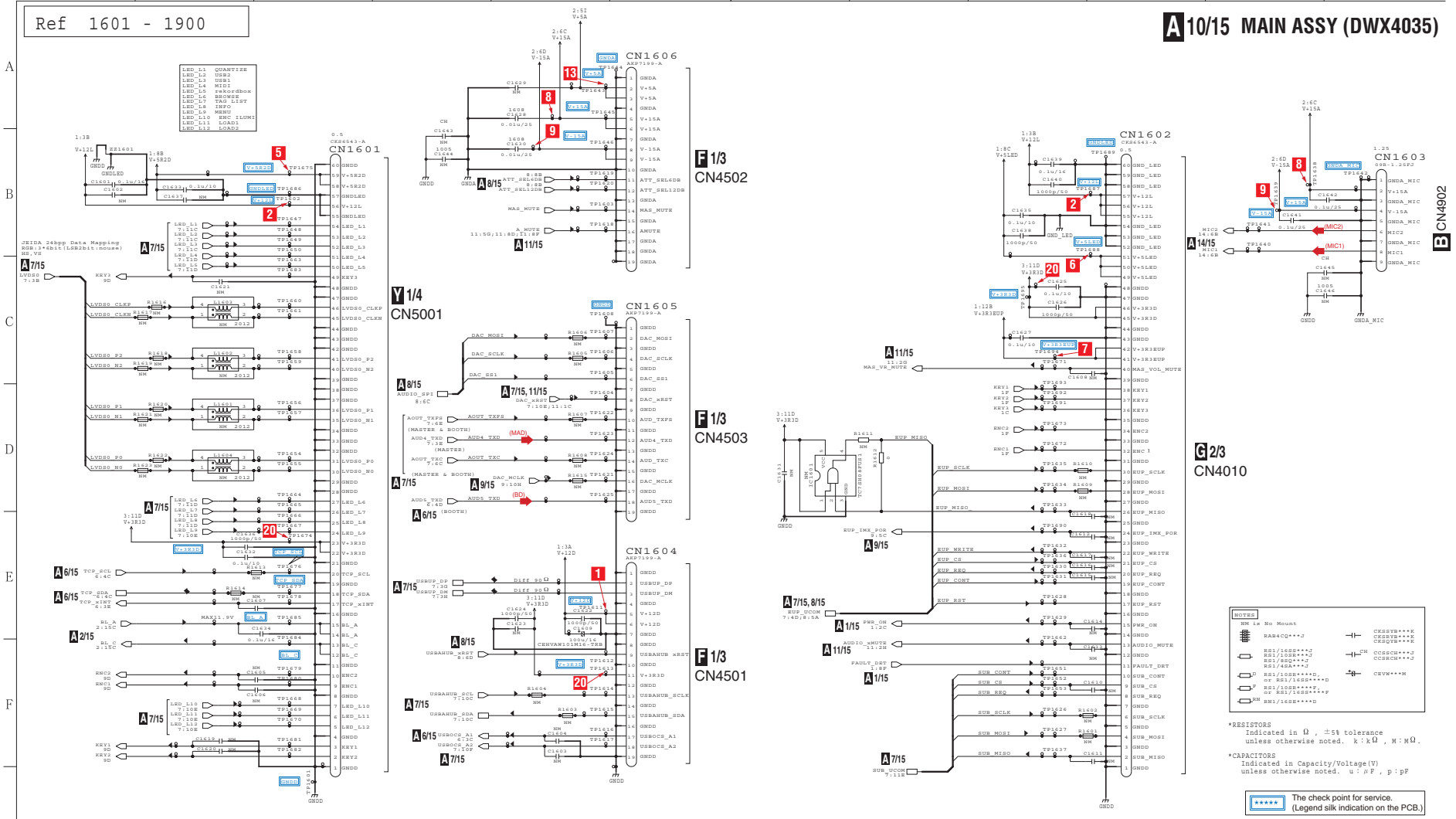
*CAPACITORS
Indicated in Capacity/Voltage(V) unless otherwise noted. u : μF , p : pF

***** The check point for service. (Legend silk indication on the PCB.)

For Debug
CN1401
PIN NAME FOR AERO JIG
V+1R8_D
V+3R3_D
JTAG_TRRSTN
JTAG_TDI
JTAG_TMS
JTAG_TCK
JTAG_TDO
JTAG_RSTN
JTAG_DEN
JTAG_MOD
GNDD
GNDD

Ref 1601 - 1900

A 10/15 MAIN ASSY (DWX4035)



(MAD) : MASTER OUT Digital Signal (L ch)
(BD) : BOOTH OUT Digital Signal (L ch)
(MIC1) : MIC1 Signal
(MIC2) : MIC2 Signal

NOTES
NM i= No Mount

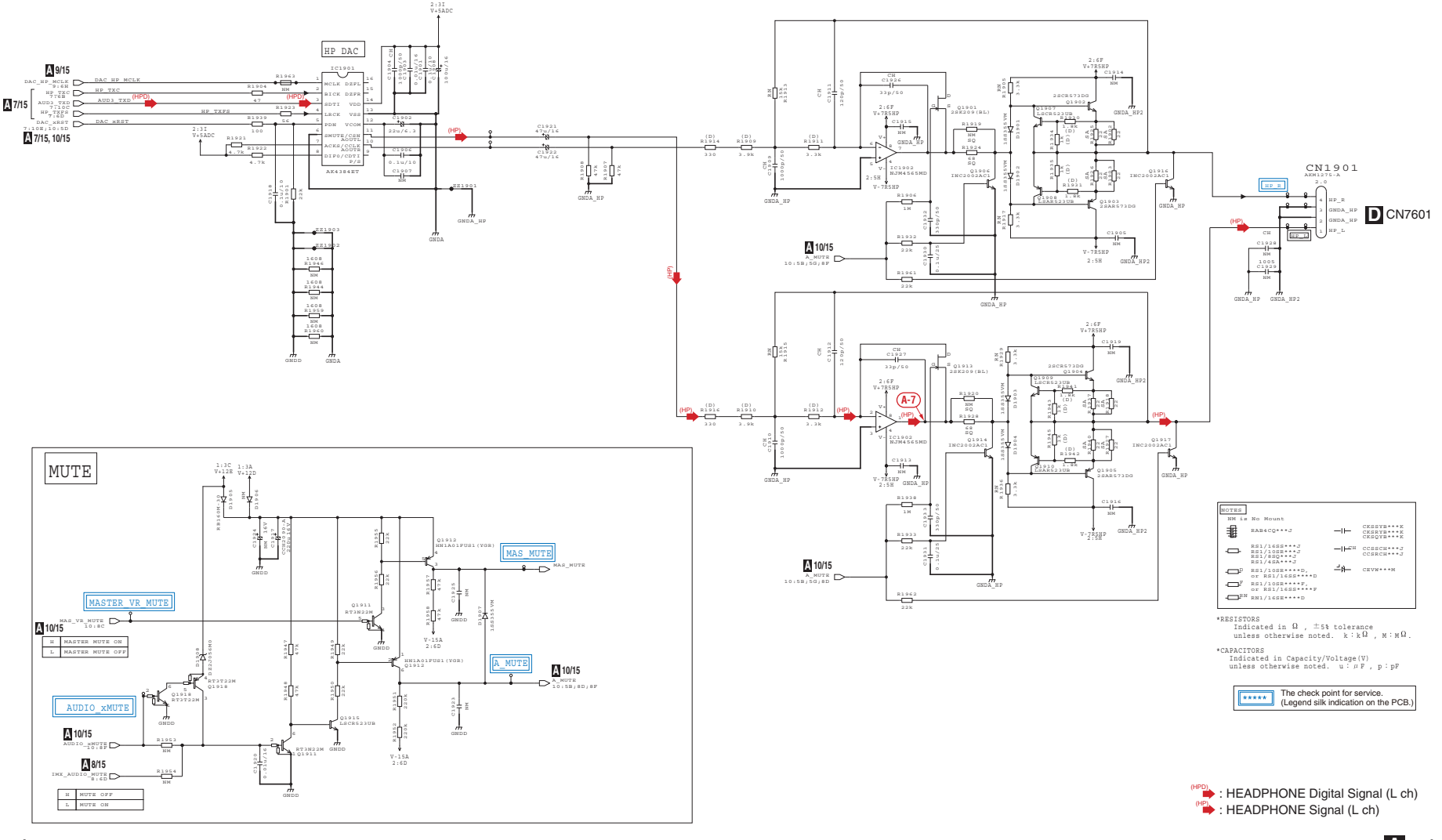
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

***** The check point for service.
(Legend silk indication on the PCB.)

Ref 1901 - 2100

A 11/15 MAIN ASSY (DWX4035)



NOTES
NM is No Mount

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

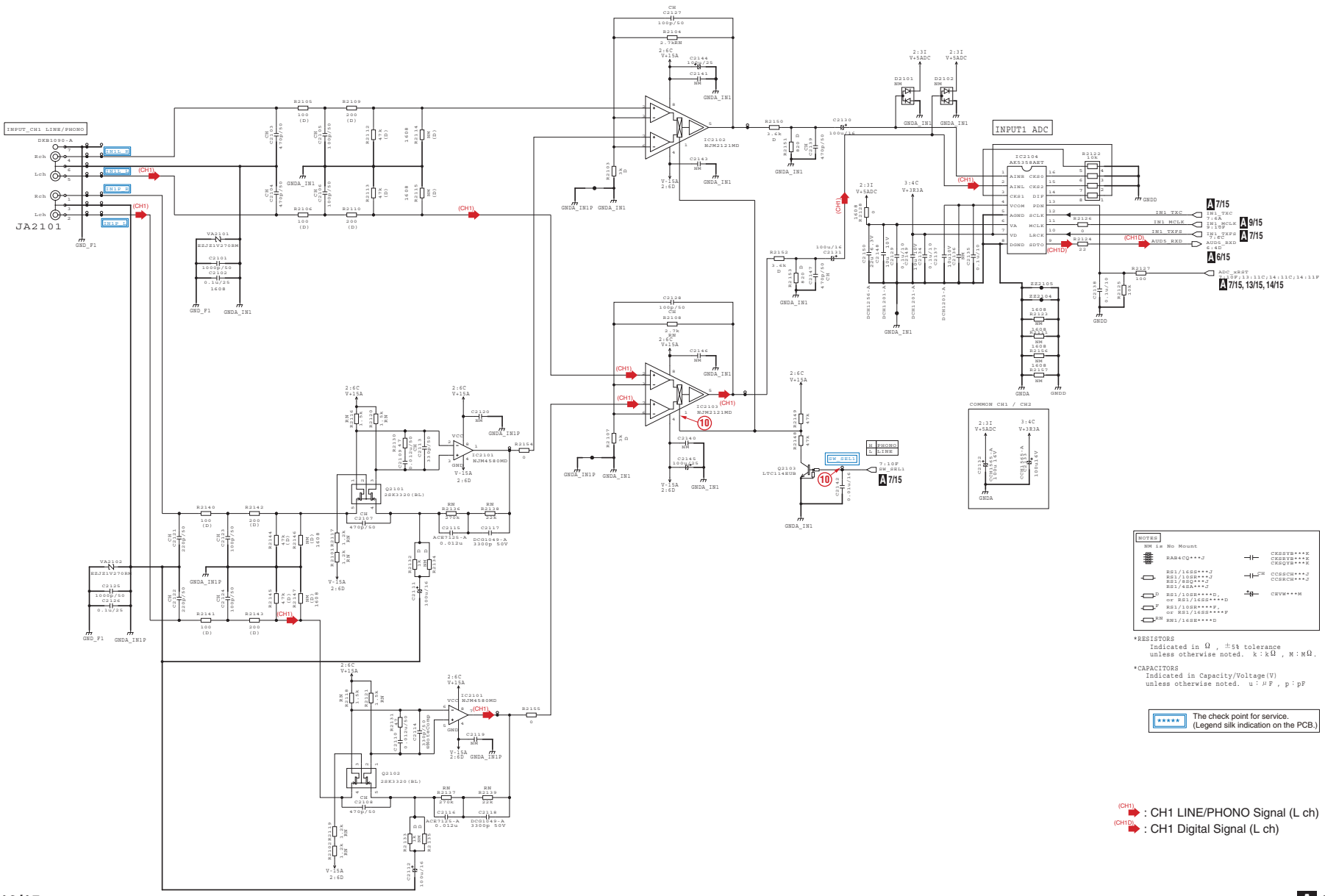
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

***** The check point for service. (Legend silk indication on the PCB.)

(HPD) : HEADPHONE Digital Signal (L ch)
(HP) : HEADPHONE Signal (L ch)

Ref 2101 - 2300

A 12/15 MAIN ASSY (DWX4035)



NOTES
NM is No Mount

*RESISTORS
Indicated in Ω, ±5% tolerance unless otherwise noted. K:kΩ, M:MΩ.

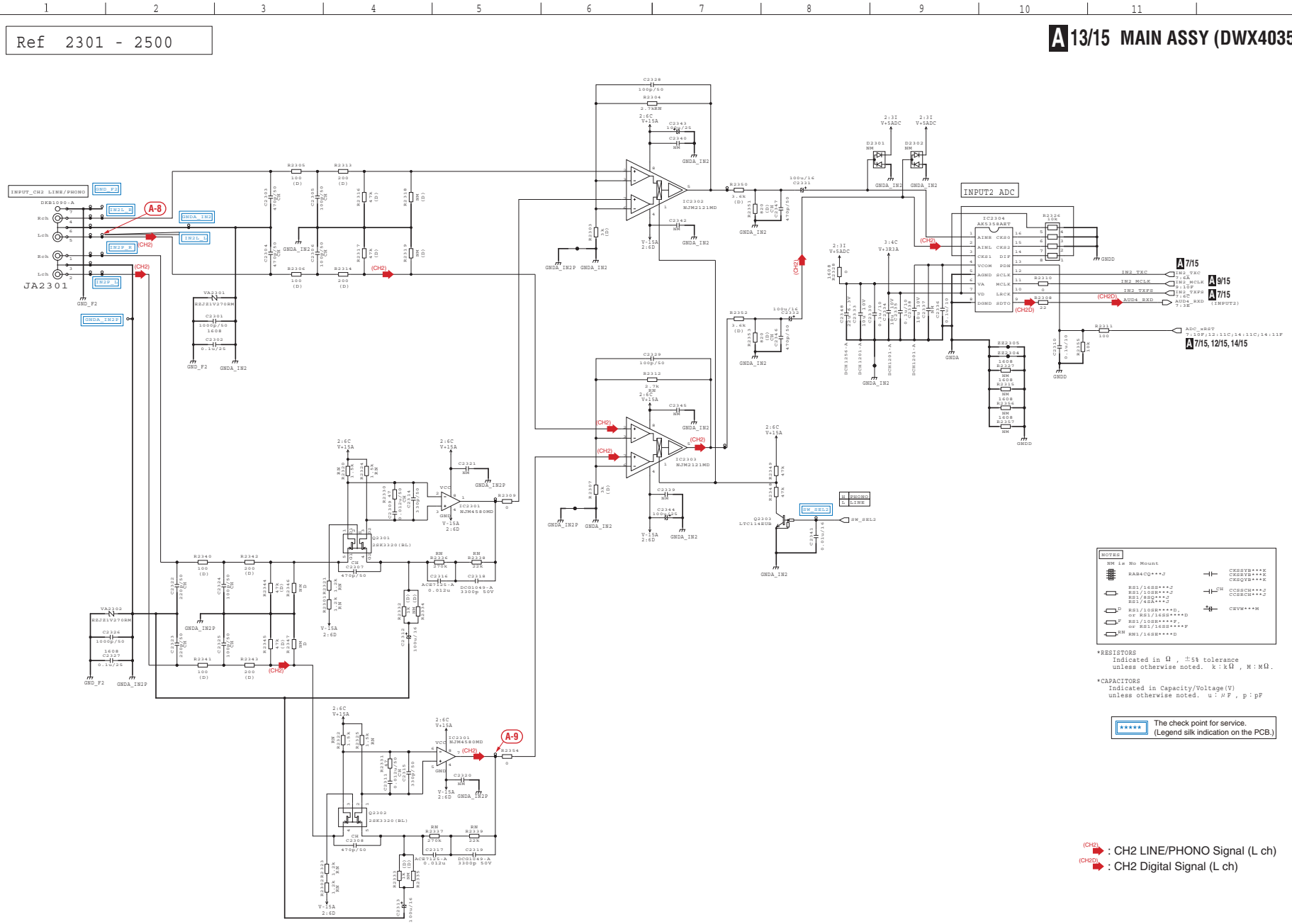
*CAPACITORS
Indicated in Capacity/Voltage(V) unless otherwise noted. u:μF, p:pF

***** The check point for service. (Legend silk indication on the PCB.)

A 12/15

Ref 2301 - 2500

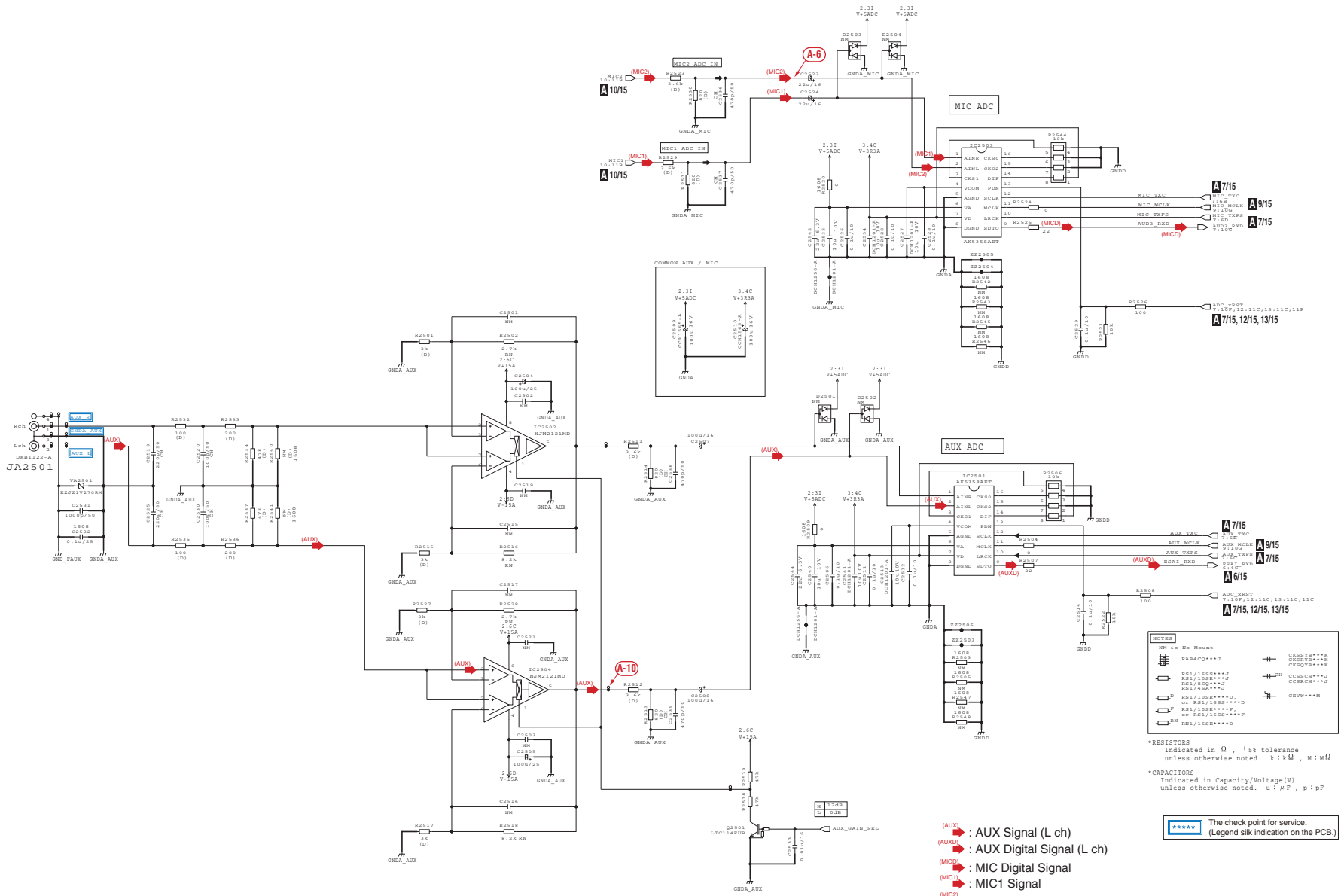
A 13/15 MAIN ASSY (DWX4035)



Ref 2501 - 2700

A 14/15 MAIN ASSY (DWX4035)

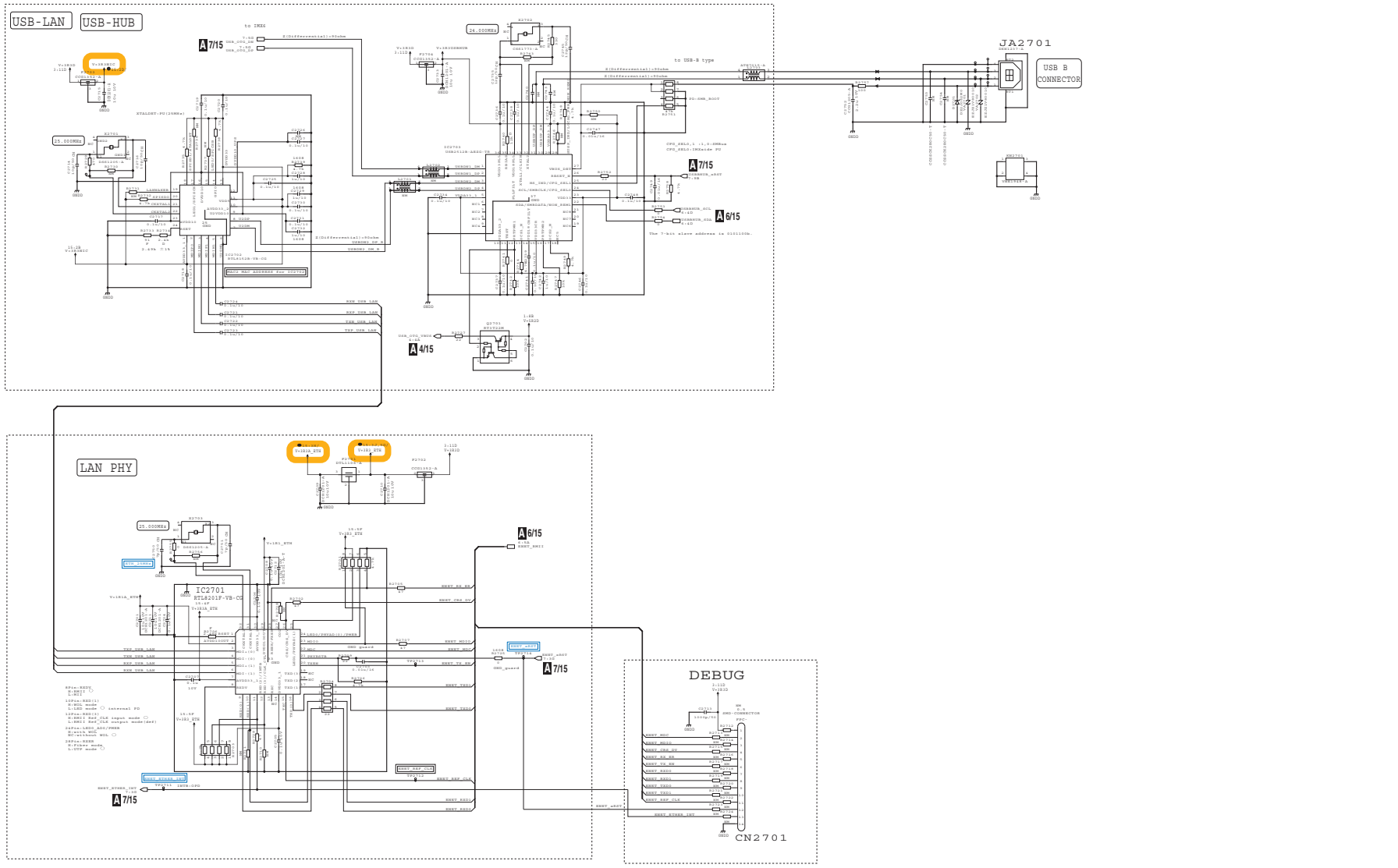
XDJ-RX2



A 14/15

Ref 2701 - 2900

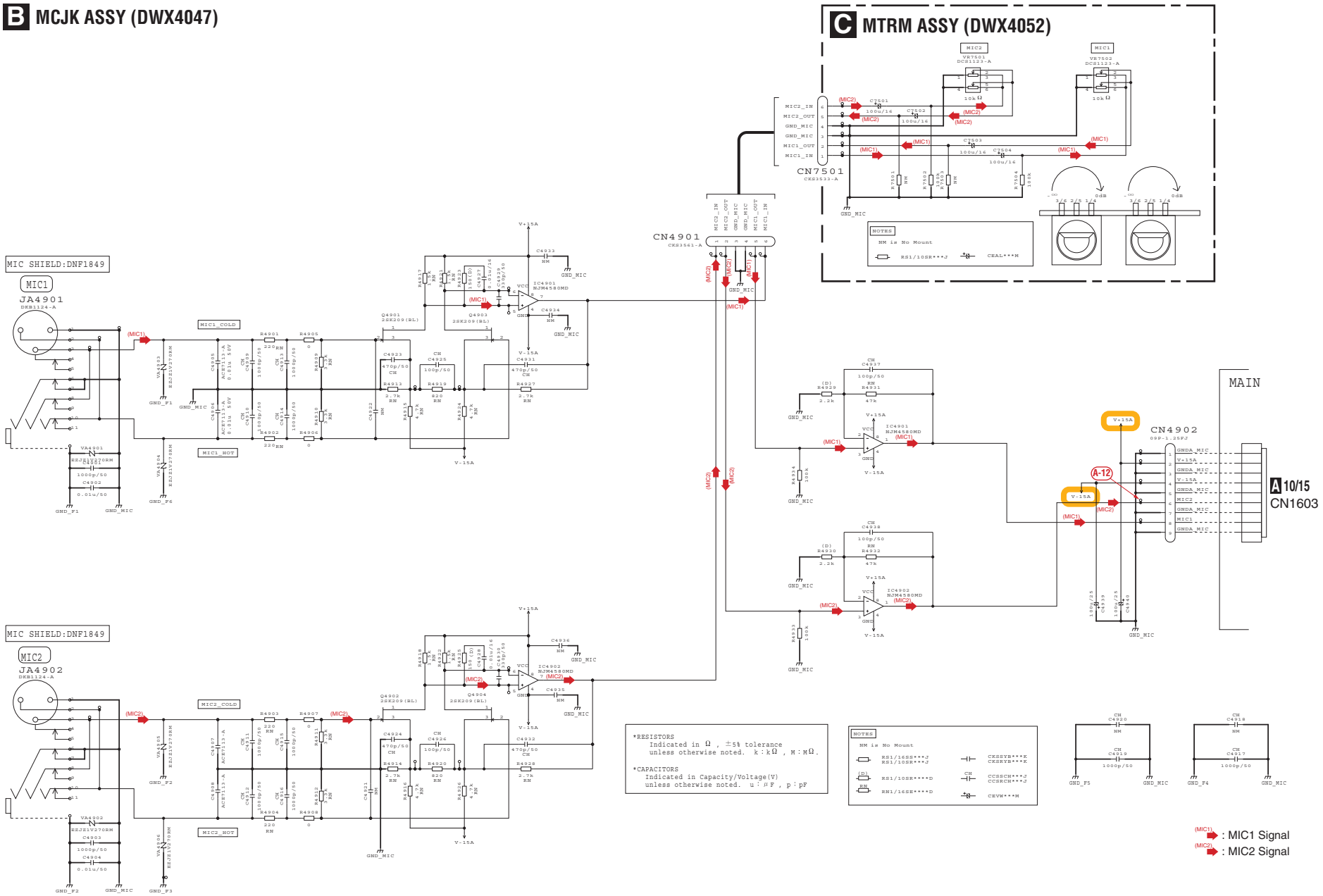
A 15/15 MAIN ASSY (DWX4035)



The check point for service.
(Legend silk indication on the PCB.)

B MCJK ASSY (DWX4047)

C MTRM ASSY (DWX4052)

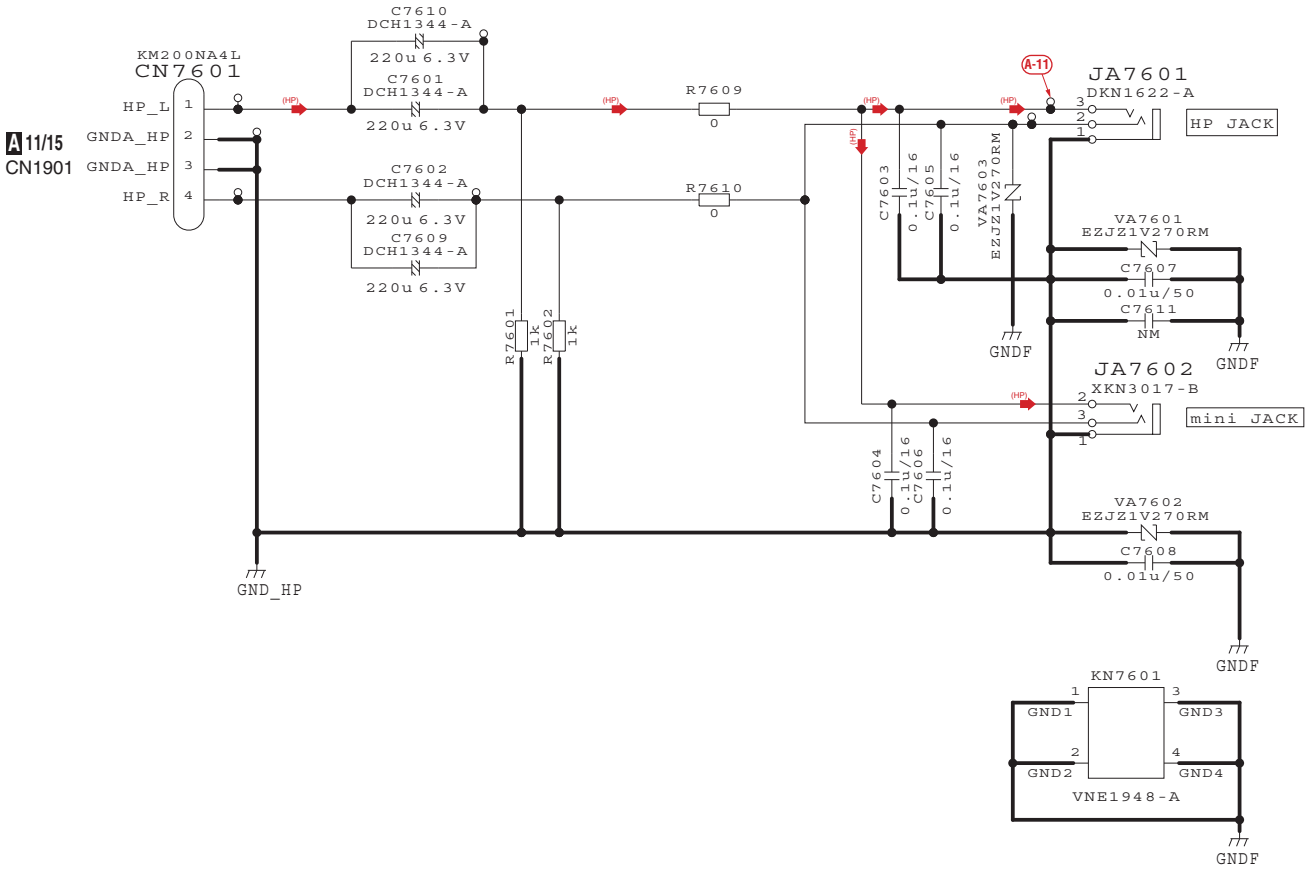


B C

B C

10.19 HPJK ASSY

D HPJK ASSY (DWX4053)



NOTES

NM is No Mount

RS1/10SR***J

CKSRYB***K

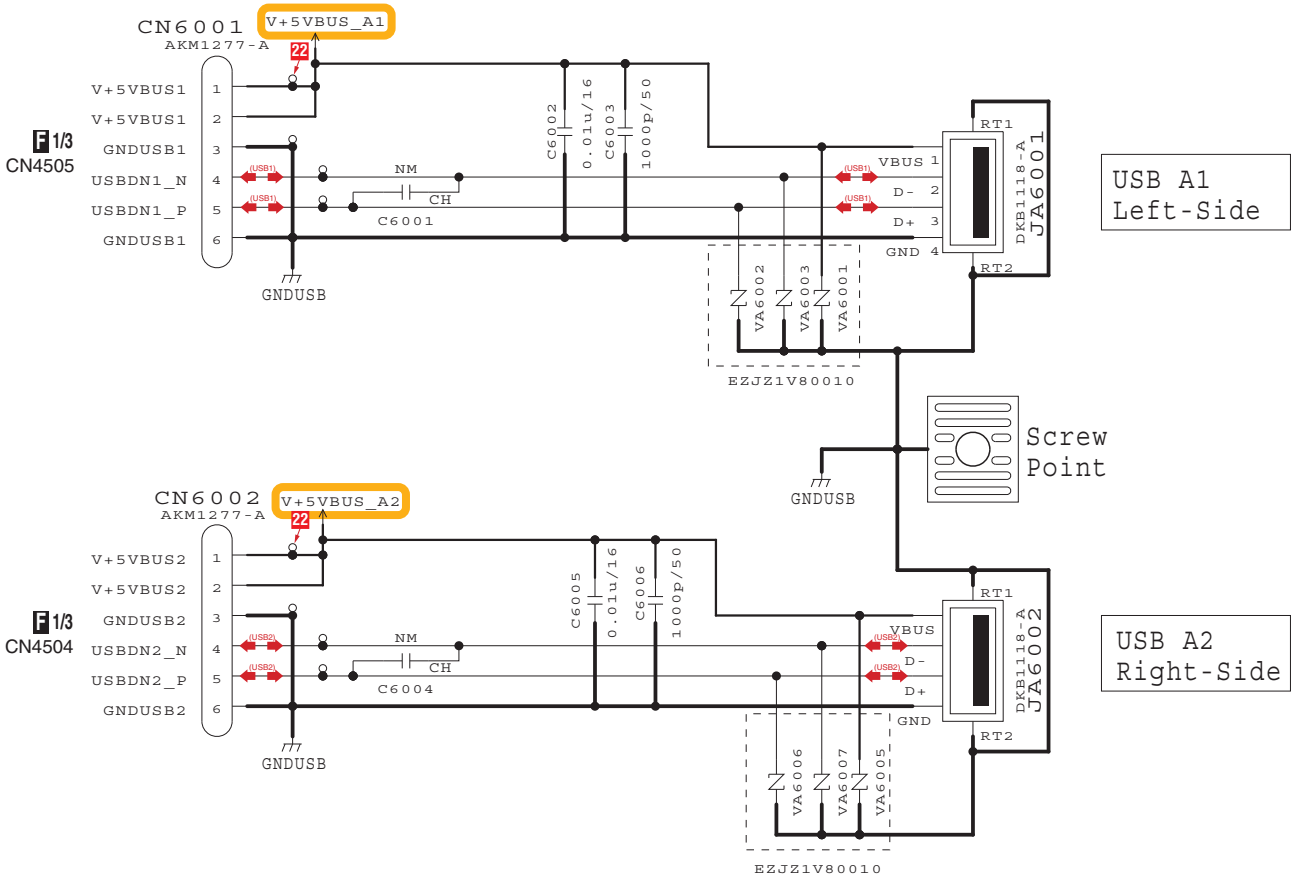
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

(HP) : HEADPHONE Signal (L ch)

10.20 USBA ASSY

E USBA ASSY (DWX4039)



*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

NOTES

NM is No Mount

RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J

RS1/10SR****D,
or RS1/16SS****D

RS1/10SR****F,
or RS1/16SS****F

CKSSYB***K
CKSRYB***K
CKSQYB***K

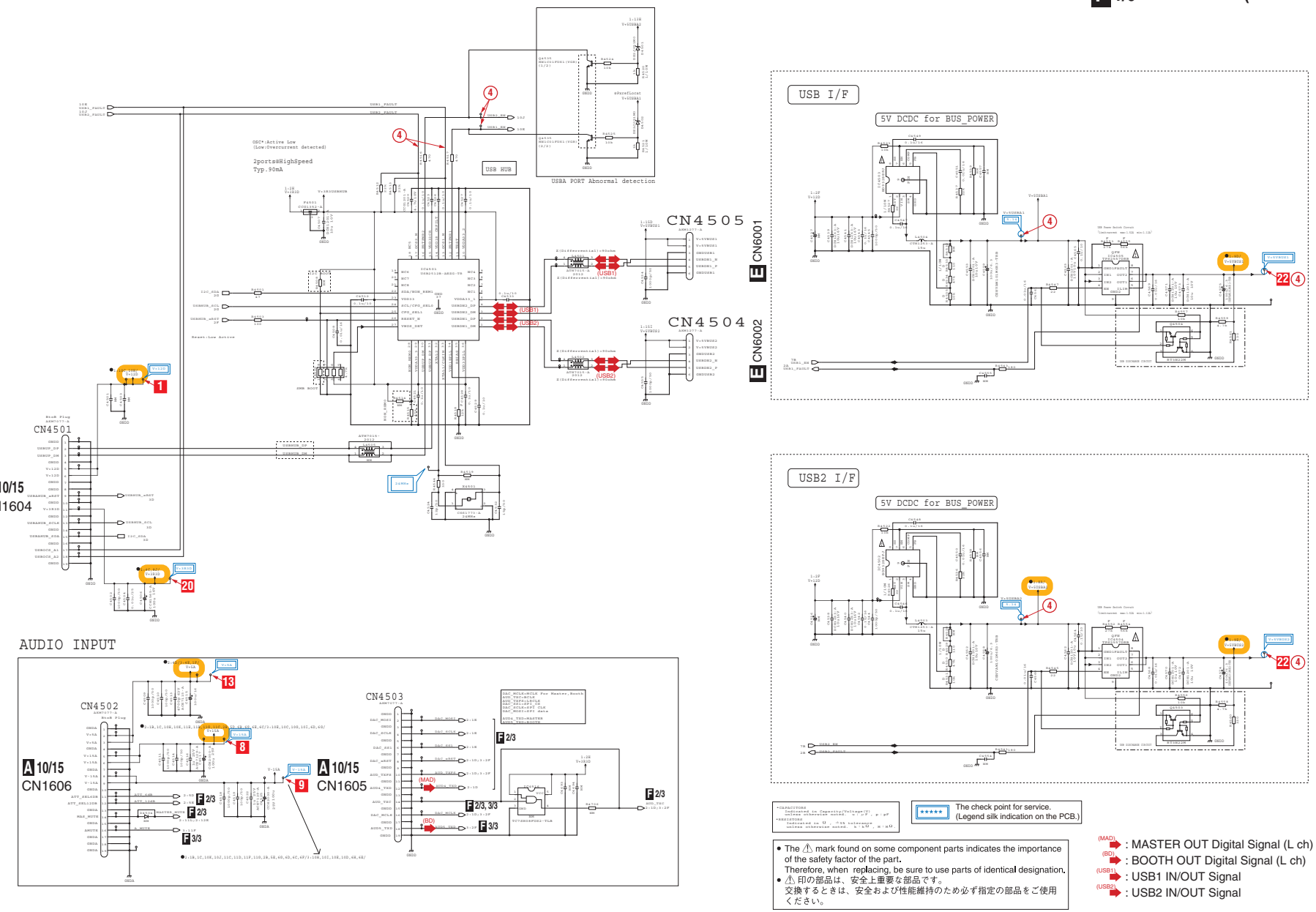
CH CCSSCH***J
CCSRCH***J

CEVW***M

(USB1) : USB1 IN/OUT Signal
(USB2) : USB2 IN/OUT Signal

REF:4501~4900

F 1/3 AOUT ASSY (DWX4046)



The check point for service.
(Legend silk indication on the PCB.)

- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
  Therefore, when replacing, be sure to use parts of identical designation.
- ⚠ 印の部品は、安全上重要な部品です。
  交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

(MAD) : MASTER OUT Digital Signal (L ch)
(BD) : BOOTH OUT Digital Signal (L ch)
(USB1) : USB1 IN/OUT Signal
(USB2) : USB2 IN/OUT Signal

F 2/3 AOUT ASSY (DWX4046)

REF:4501~4900

MASTER

MASTER DAC Post Fillter
MASTER1 : :17.234 dB
MASTER2 : 11.07 dB

■MASTER ATT■
0 dB:-0.828 dB
-6dB:-6.60 dB(-5.76 dB)
-12dB:-12.49 dB(-11.7dB)

BLANCE AMP:+0.89 dB

MASTER DAC

JA4502

JA4503

JA4501

MASTER1 L

MASTER1 R

Canon Shield(DNF1789-A)

MASTER2 AMP:+3.76 dB

(MAD) : MASTER OUT Digital Signal (L ch)
(MA1) : MASTER1 OUT Signal (L ch)
(MA2) : MASTER2 OUT Signal (L ch)

The check point for service.
(Legend silk indication on the PCB.)

F 2/3

F 2/3

REF:4501~4900

BOOTH

F 3/3 AOUT ASSY (DWX4046)

Gain:+13.49 dB/Fc:39 kHz

BOOTH DAC

JA4504

BOOTH L

Phone Shield(DNF1875-A)

JA4505

BOOTH R

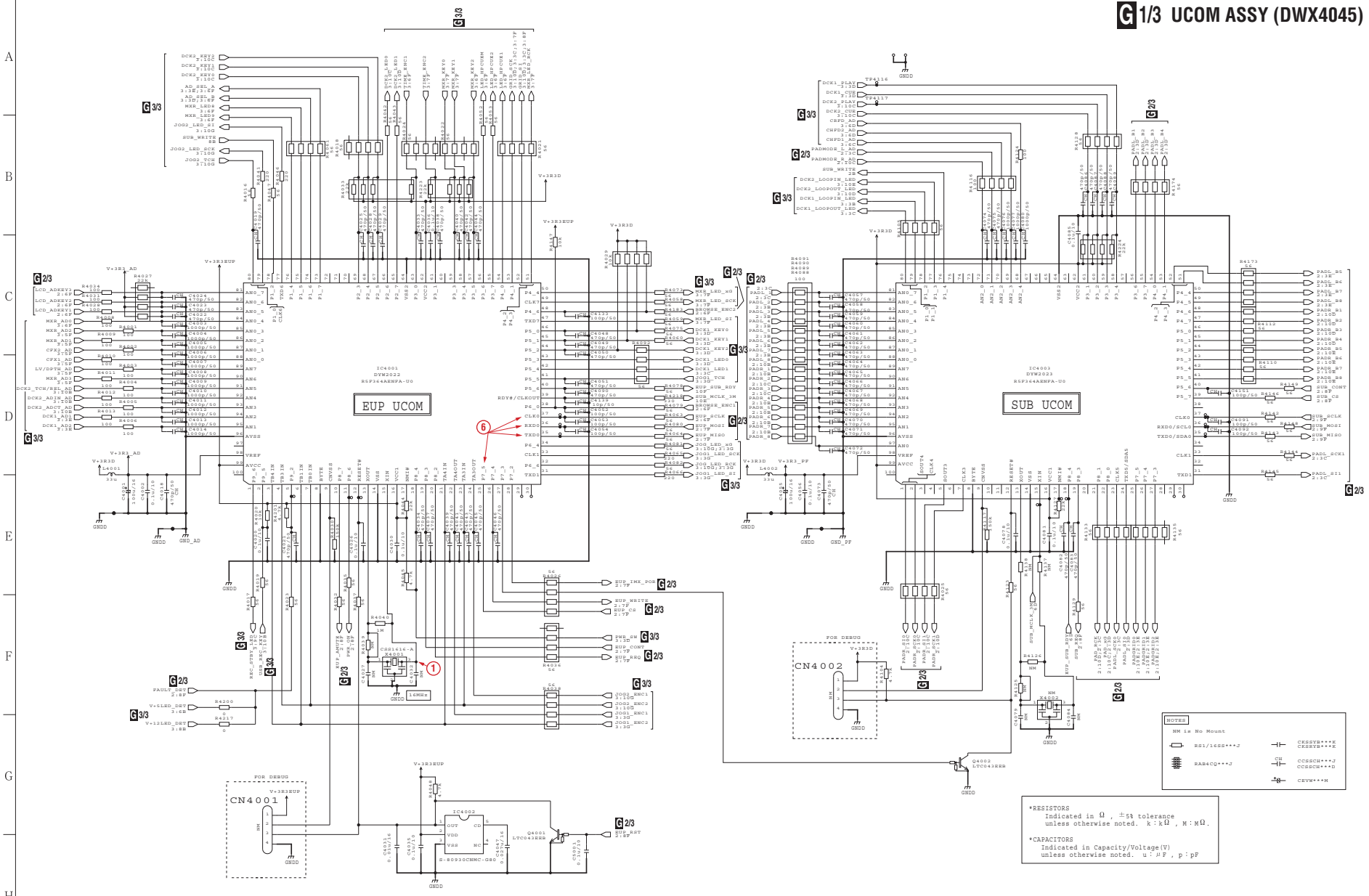
Phone Shield(DNF1875-A)

The check point for service.
(Legend silk indication on the PCB.)

(BD) : BOOTH OUT Digital Signal (L ch)

(B) : BOOTH OUT Signal (L ch)

G 1/3 UCOM ASSY (DWX4045)



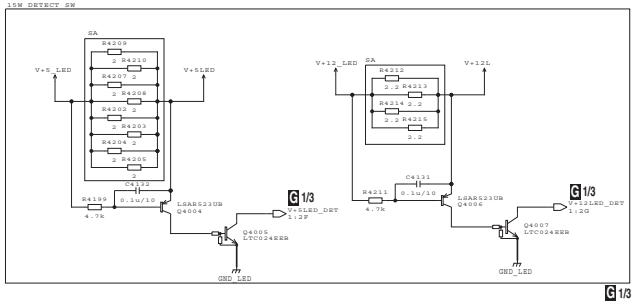
10.25 UCOM ASSY (2/3)

10.26 UCOM (3/3), CHF1, CHF2 and CRFD ASSYS

G 3/3 UCOM ASSY (DWX4045)

Note:
The 1 and 2 Assys of CHF Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

注意：
CHF の 1 と 2 は回路そのもの, 使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 どちらかの ASSY が配置されています。

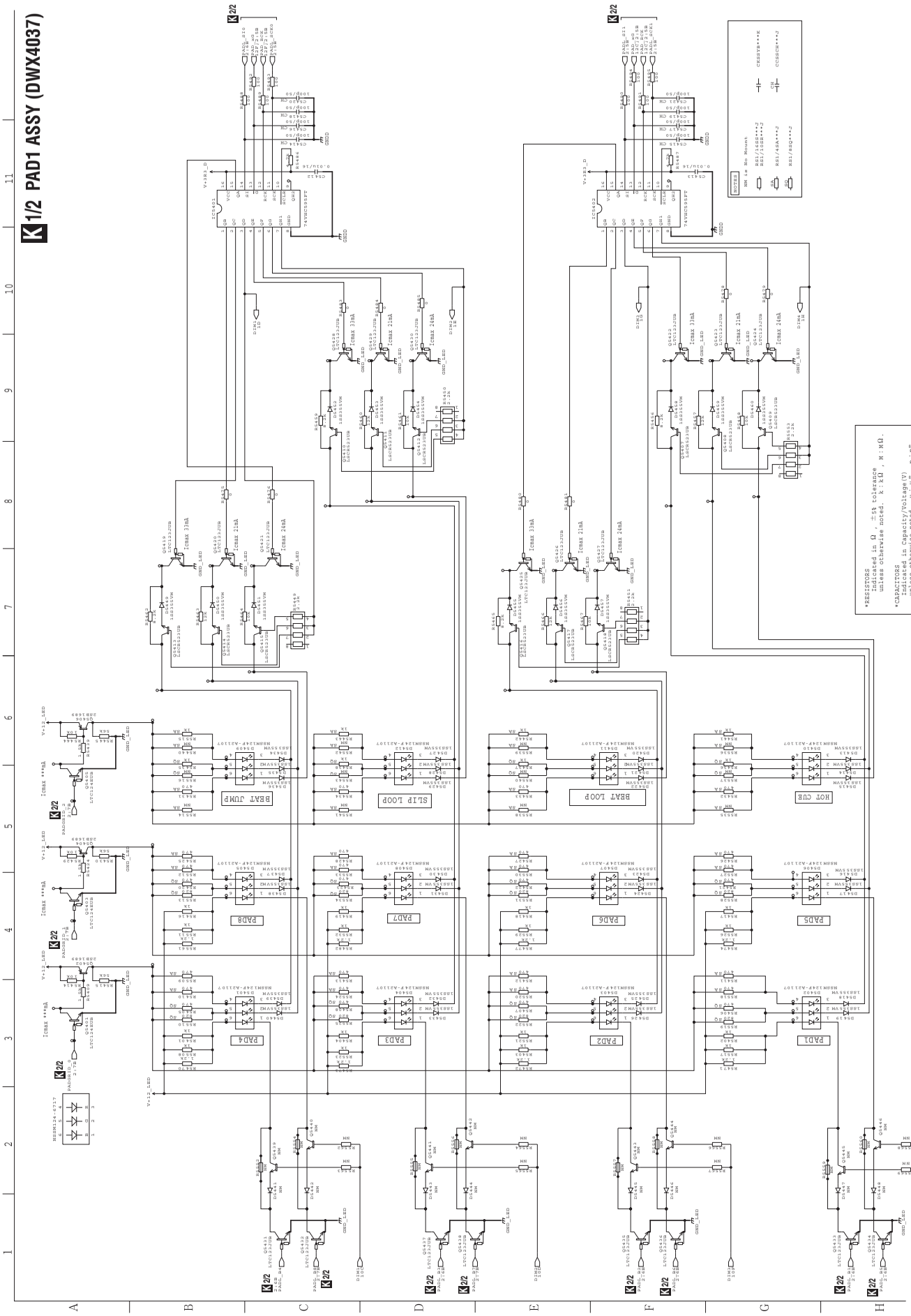


NOTES
NM is No Mount
RS1/16SS***J
RS1/4SA***J
CKSSYB***K
CCSSCH***J
CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k:kΩ , M:MΩ.

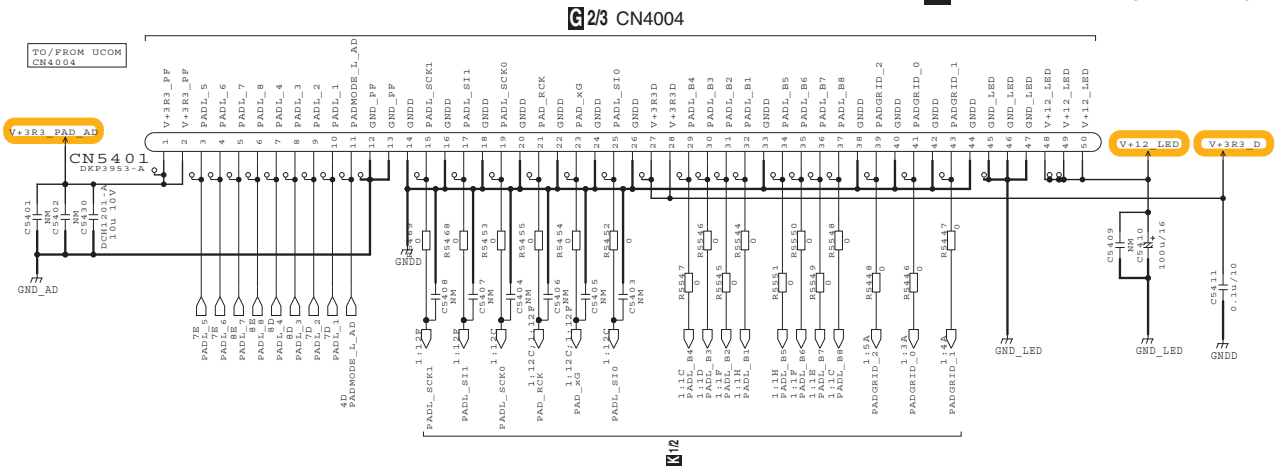
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

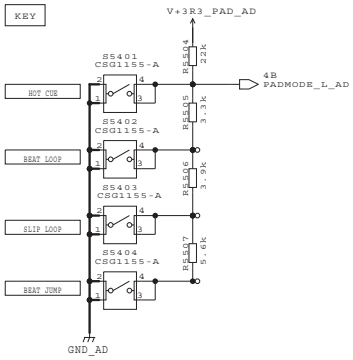
10.27 PAD1 ASSY (1/2)

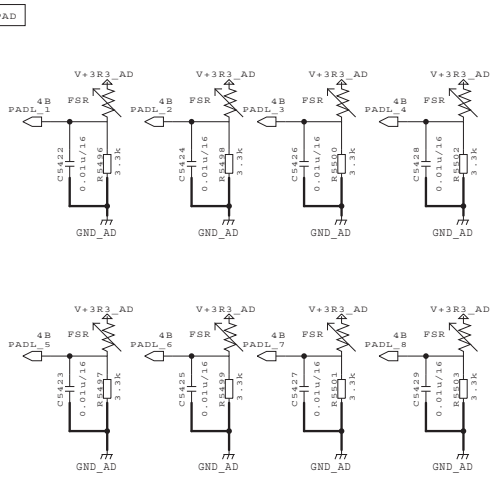


10.28 PAD1 ASSY (2/2)

K 2/2 PAD1 ASSY (DWX4037)







NOTES

NM is No Mount

RS1/16SS***J

CKSSYB***K

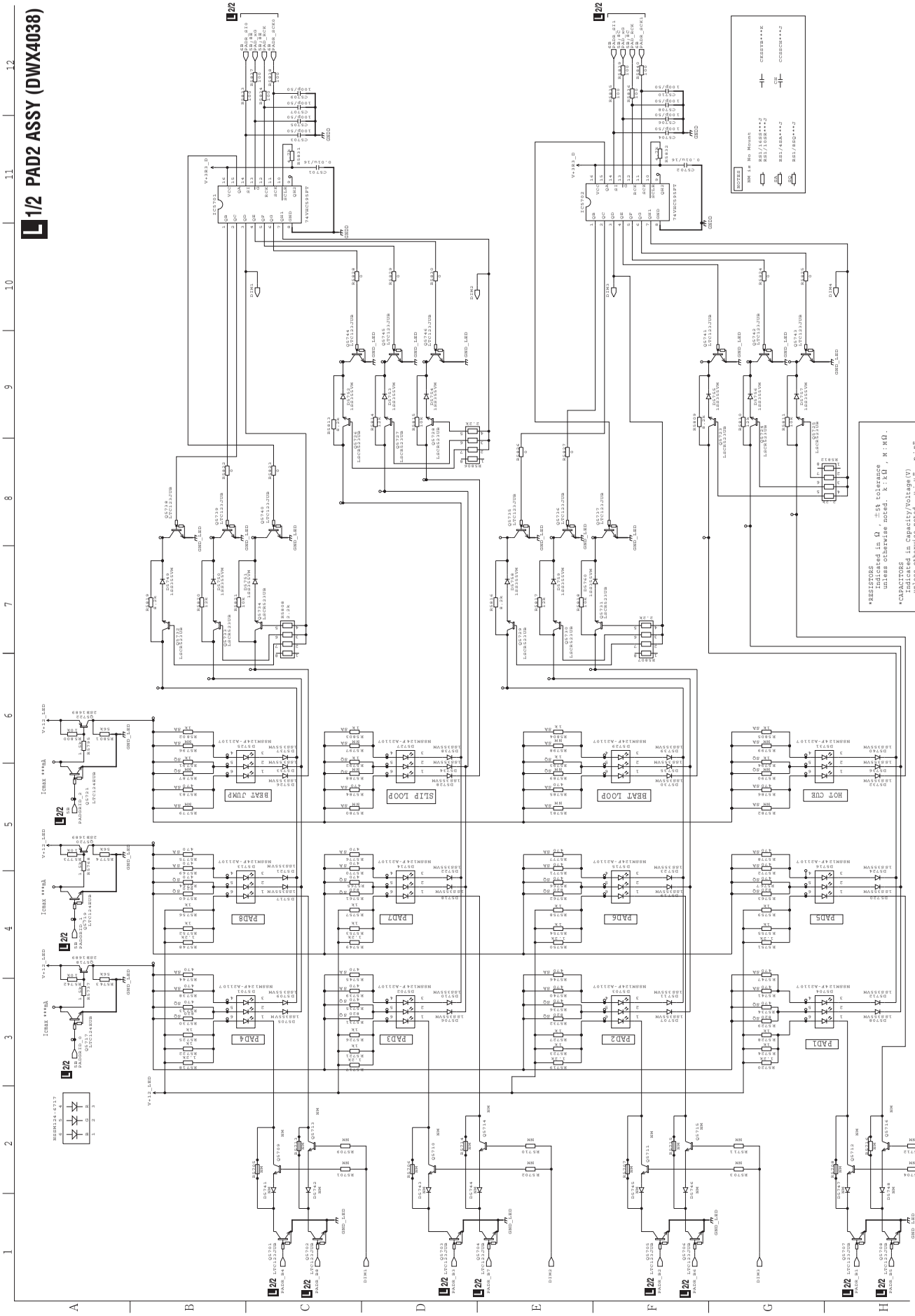
CCSSCH***J

CEVW***M

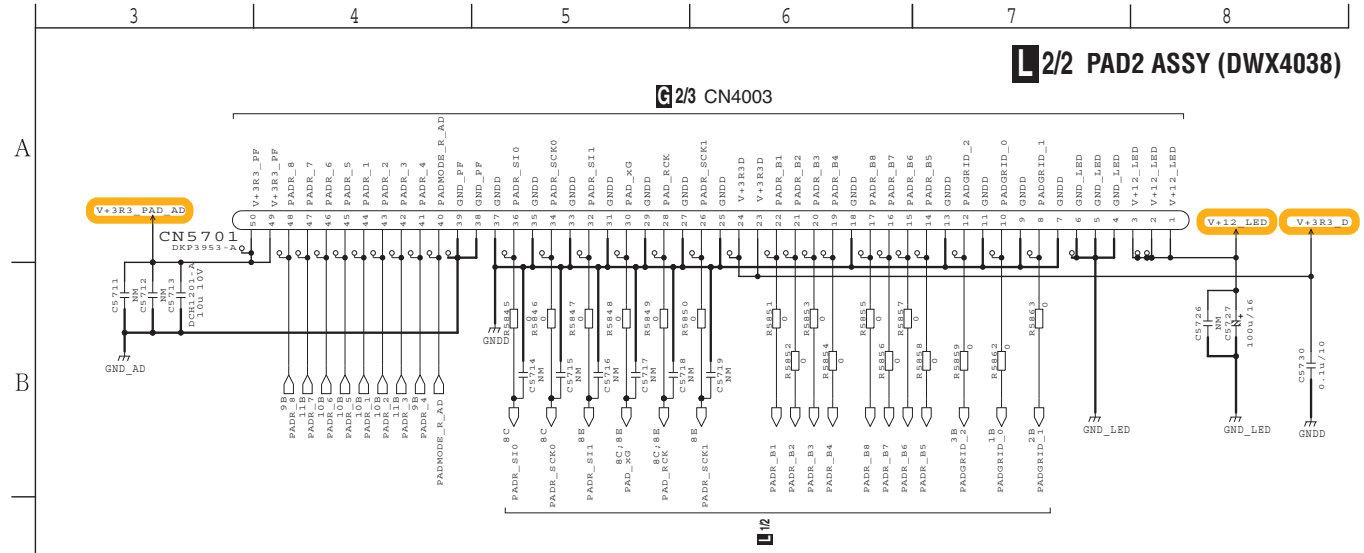
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

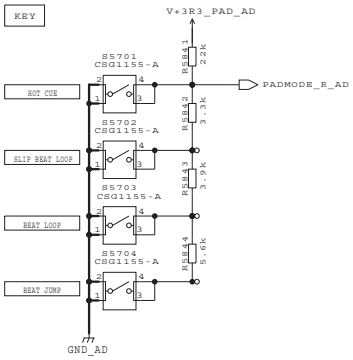
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

10.29 PAD2 ASSY (1/2)

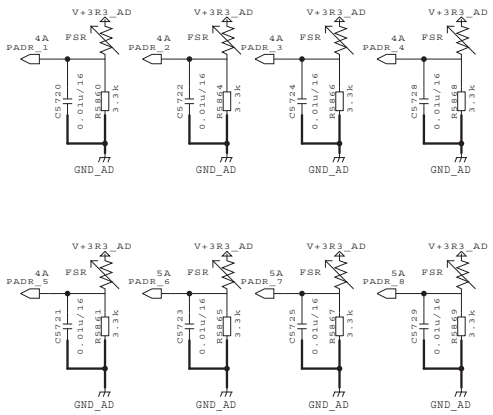


10.30 PAD2 ASSY (2/2)





PAD



NOTES

NM is No Mount

RS1/16SS***J

CKSSYB***K

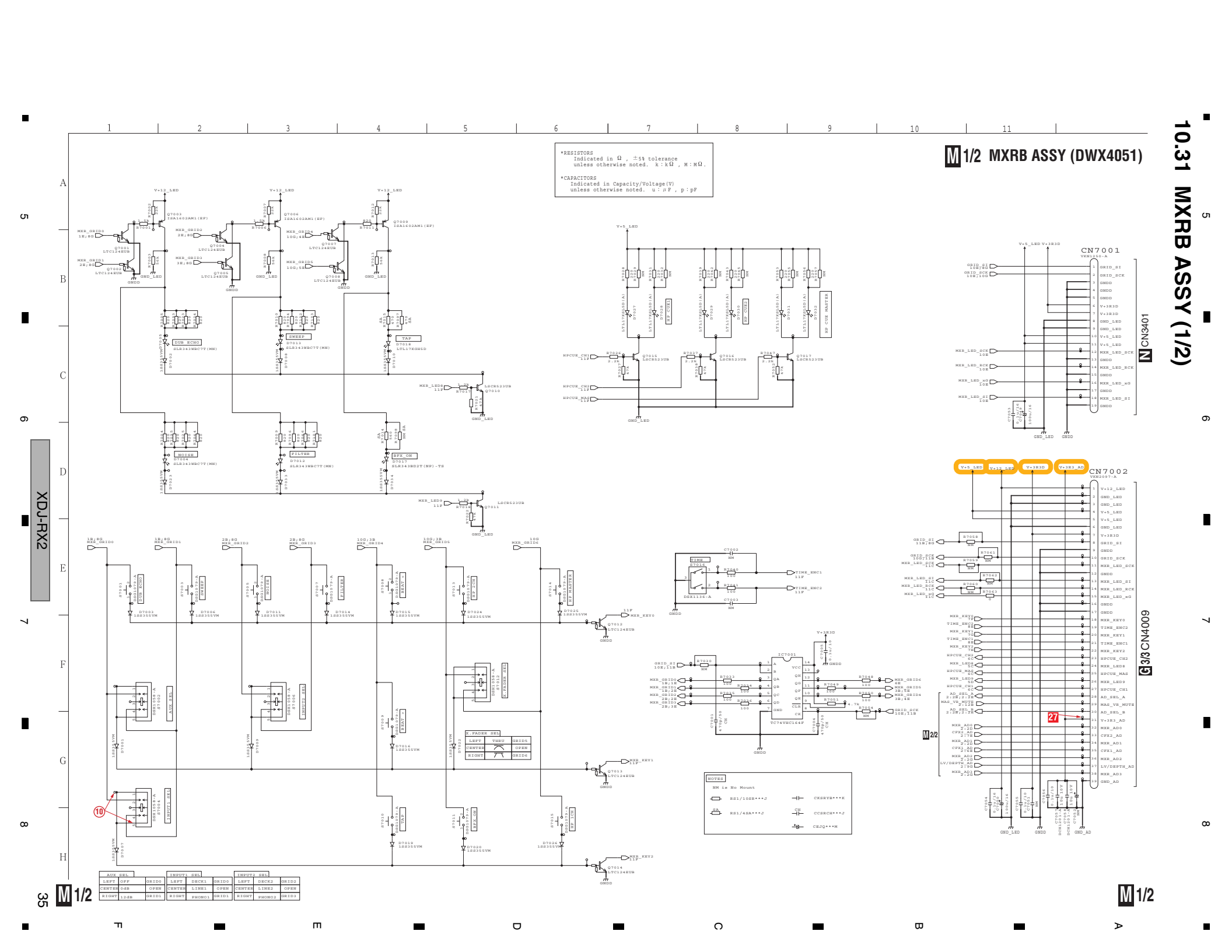
CCSSCH***J

CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

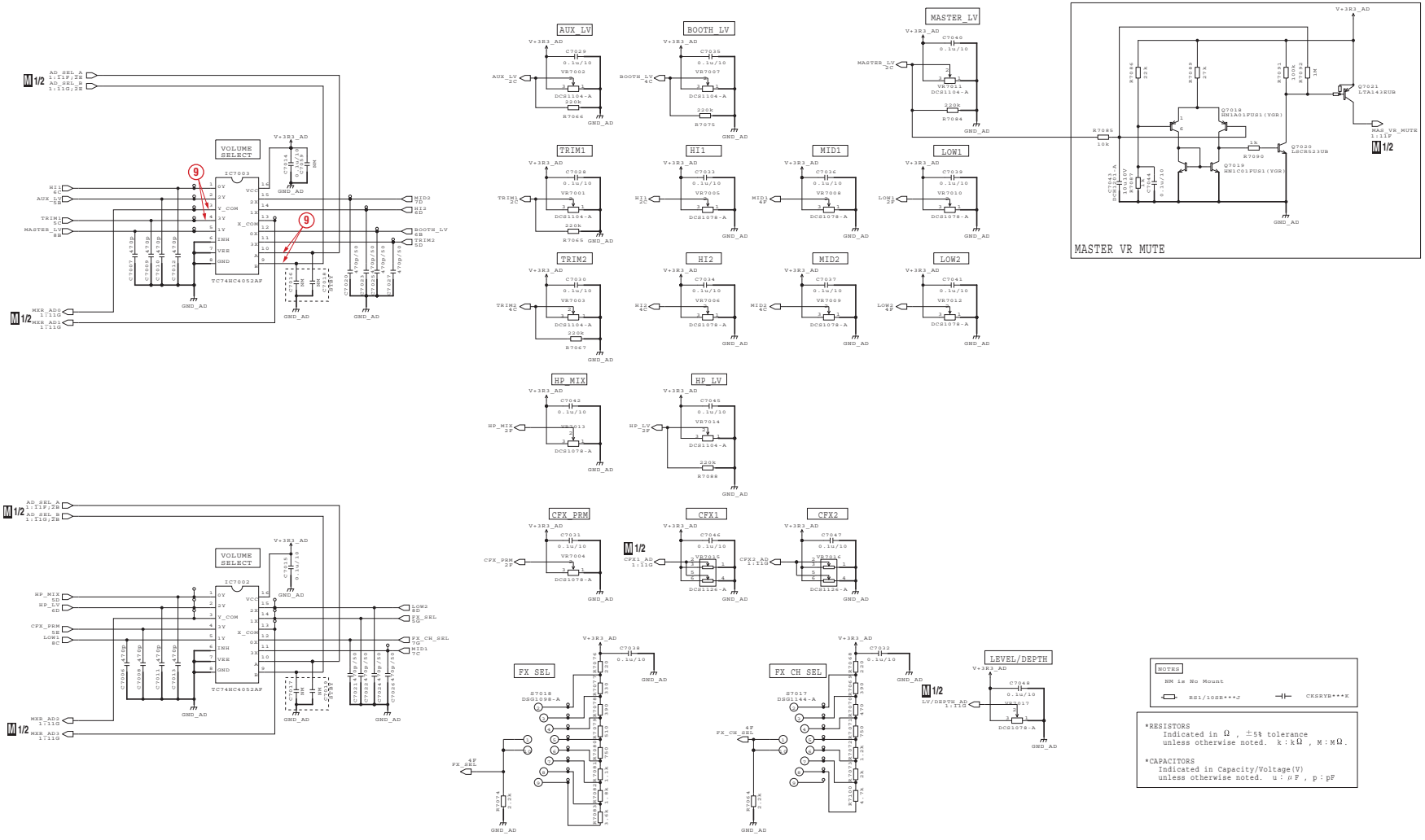
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

M 1/2 MXRB ASSY (DWX4051)



10.32 MXRB ASSY (2/2)

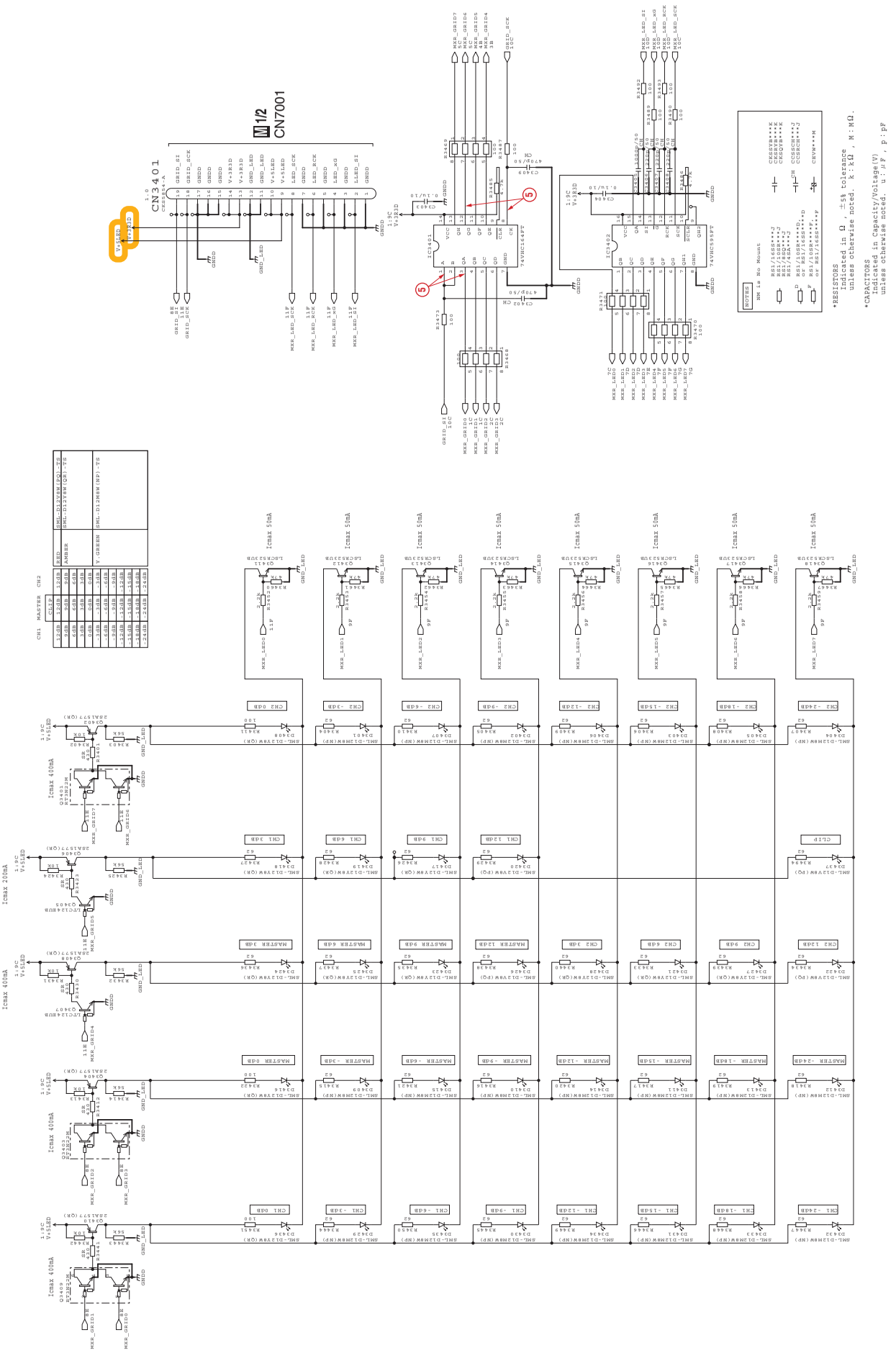
M 2/2 MXRB ASSY (DWX4051)



M 2/2

10.33 LVMB ASSY

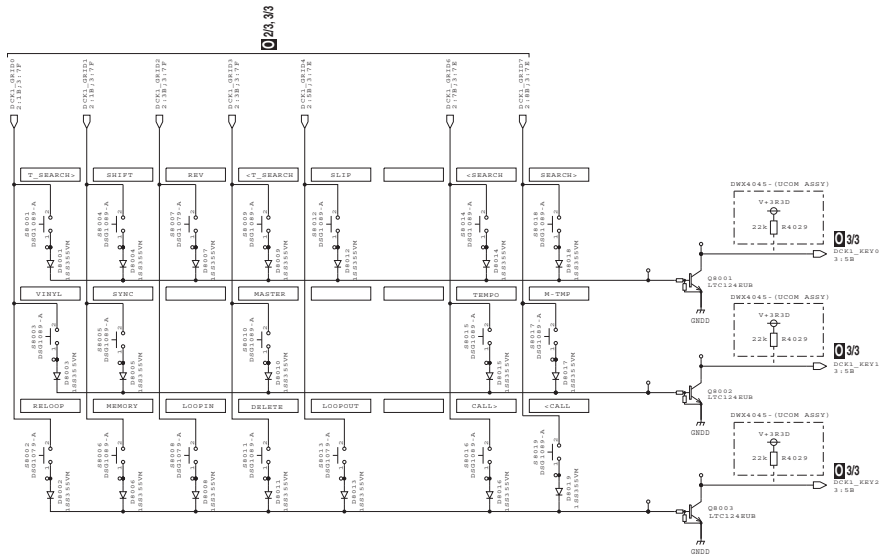
LVMB ASSY (DWX4048)

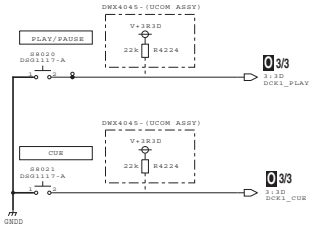


Reference:8001~8100

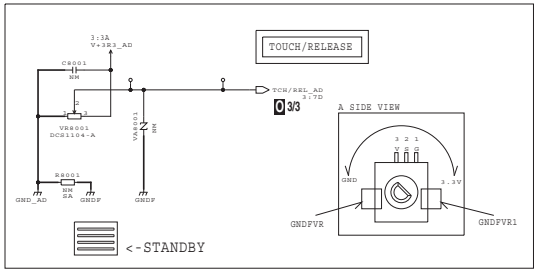
DCK1/KEY

1/3 DCK1 ASSY (DWX4054)

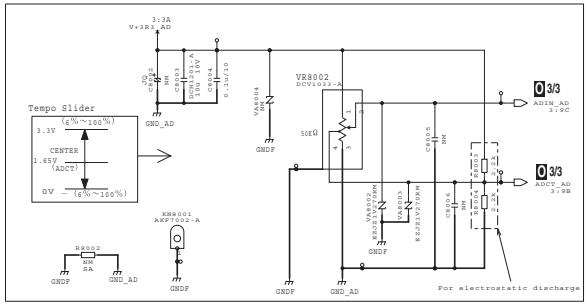




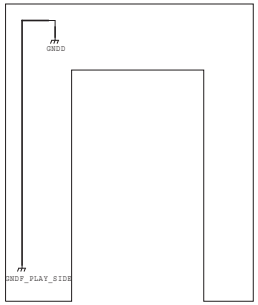
TOUCH/RELEASE



TEMPO SLIDER



GNDF STANDBY for electrostatic discharge



NOTES
- NM is No Mount
- RS1/10SR***J
- RS1/4SA***J
- CKSRYB***K

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

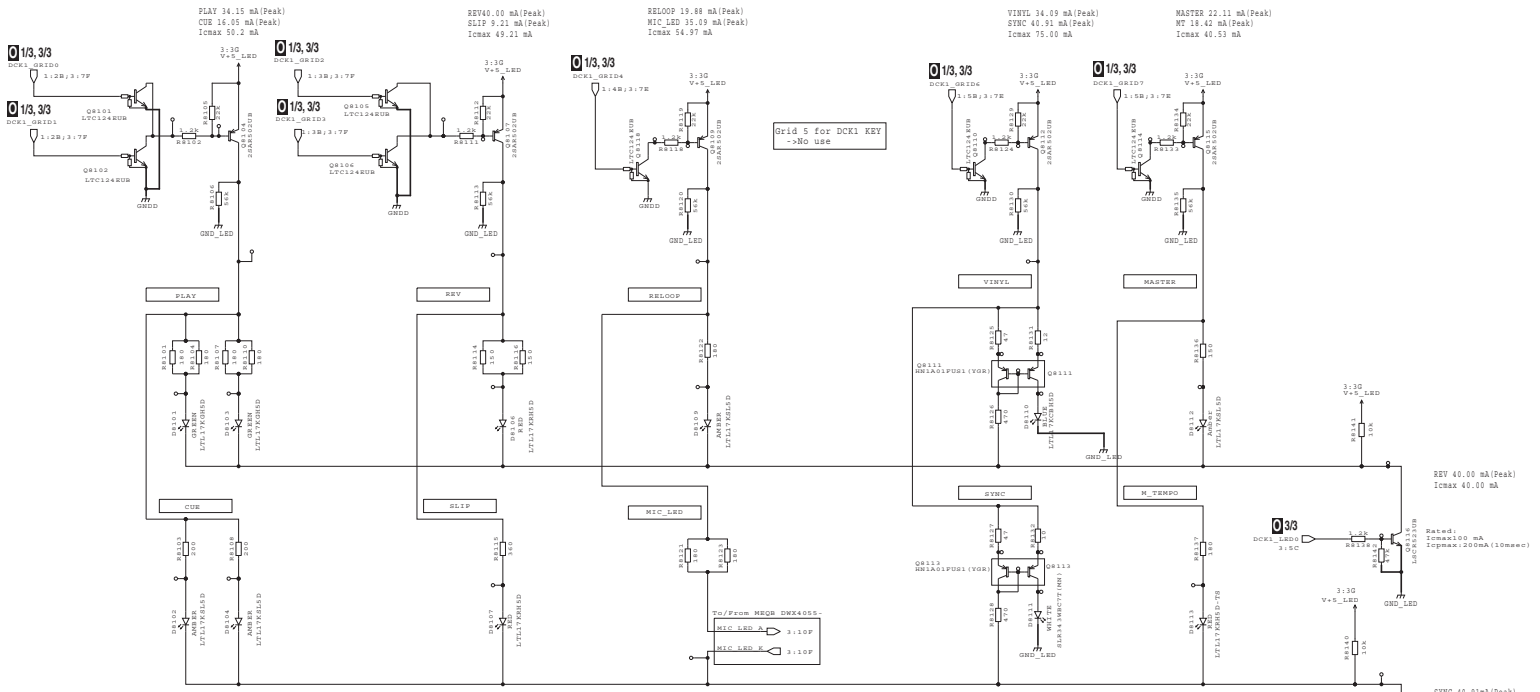
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

Reference:8101~8200

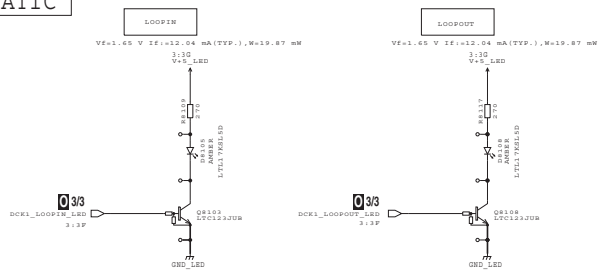
DCK1/LED

2/3 DCK1 ASSY (DWX4054)

DYNAMIC



STATIC



*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u:μF, p:pF

*RESISTORS
Indicated in Ω, ±5% tolerance
unless otherwise noted. k:kΩ, M:MΩ.

NOTES

NM is No Mount

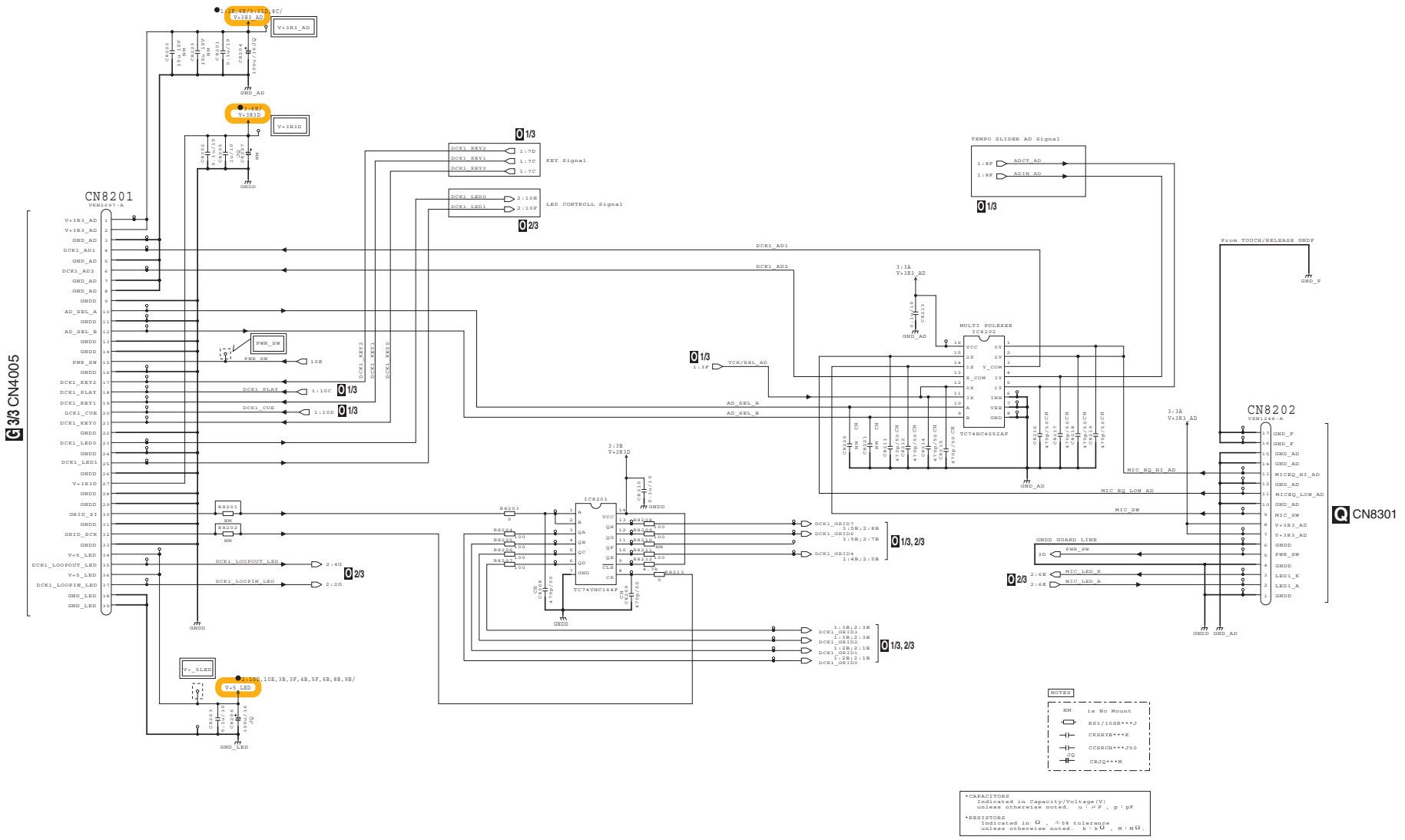
RS1/10SR***J

	GREEN	LTL17KGH5D-TS
	AMBER	LTL17KSL5D-TS
	BLUE	LTL17KCBH5D-TS
	RED	LTL17KRH5D-TS
	WHITE	SLR343WBC7T(MN)-TS

Reference:8201~8300

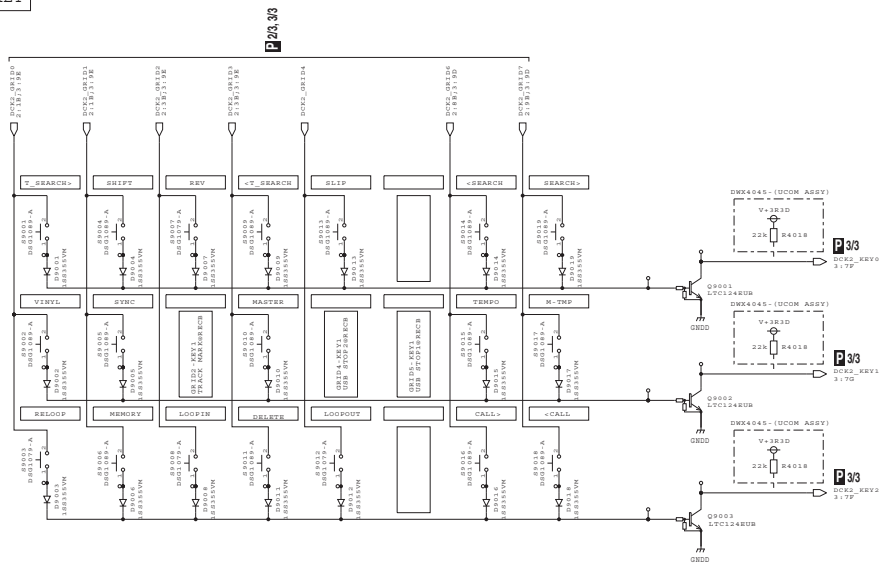
DCK1/IF

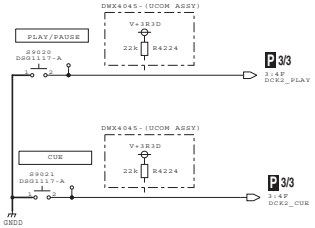
3/3 DCK1 ASSY (DWX4054)



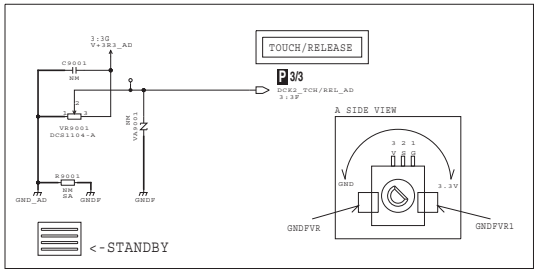
P 1/3 DCK2 ASSY (DWX4062)

DCK2/KEY

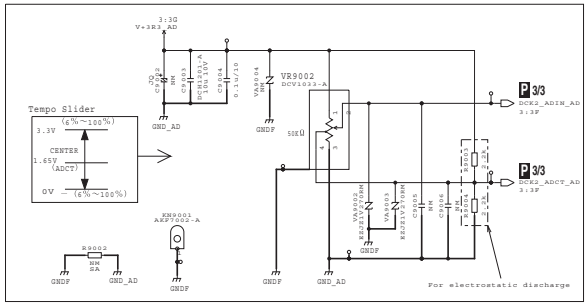




TOUCH/RELEASE



TEMPO SLIDER



NOTES

NM is No Mount

RS1/10SR***J

RS1/4SA***J

CKSRYB***K

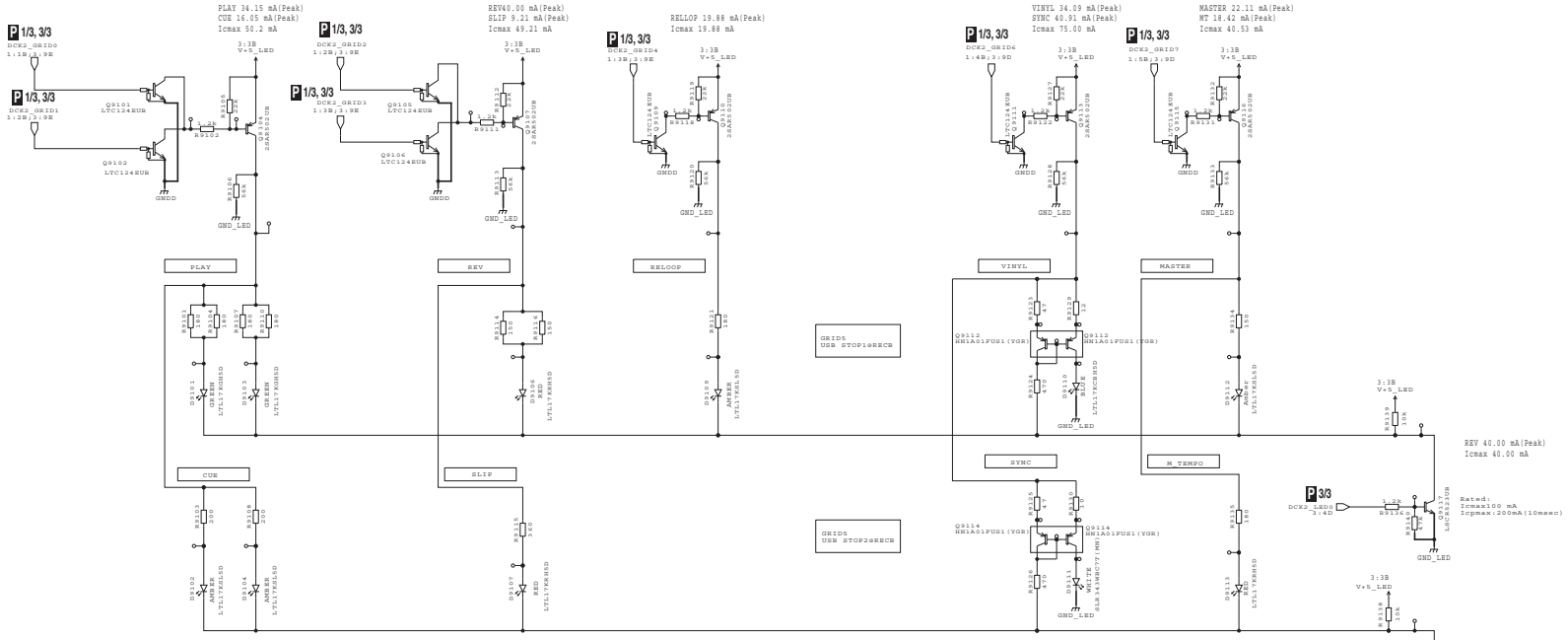
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

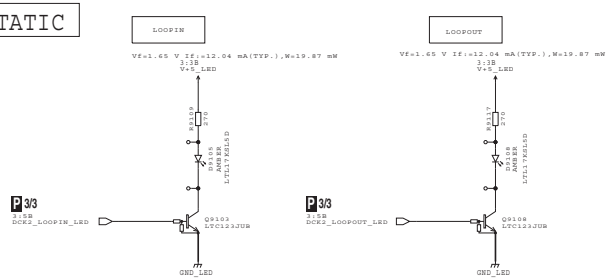
DCK2/LED

P 2/3 DCK2 ASSY (DWX4062)

DYNAMIC



STATIC



NOTES
NM is No Mount
RS1/10SR***J

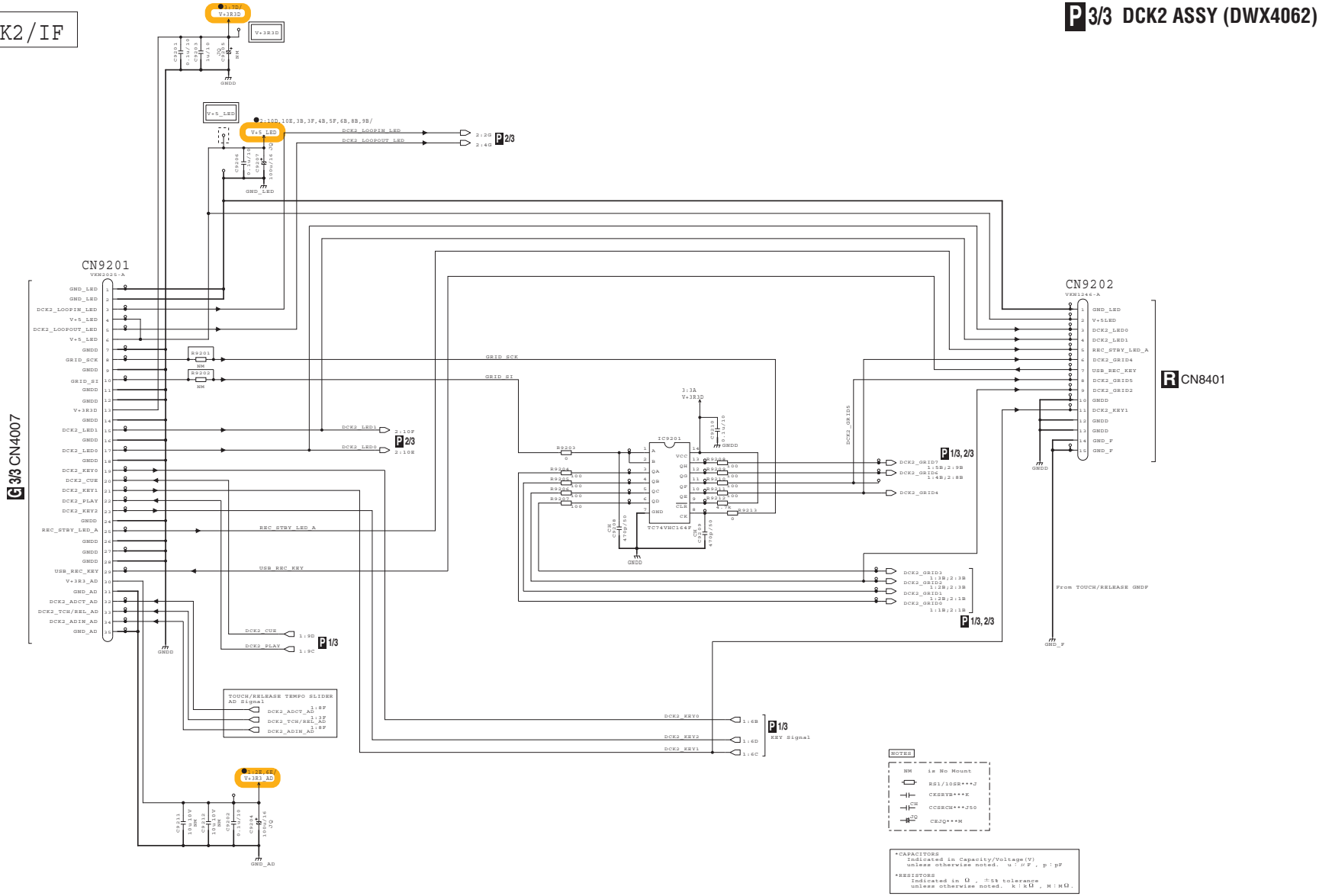
	GREEN	LTL17KGH5D-TS
	AMBER	LTL17KSL5D-TS
	BLUE	LTL17KCBH5D-TS
	RED	LTL17KRH5D-TS
	WHITE	SLR343WBC7T(MN)-TS

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF, p : pF

*RESISTORS
Indicated in Ω, ±5% tolerance
unless otherwise noted. k : kΩ, M : MΩ.

DCK2/IF

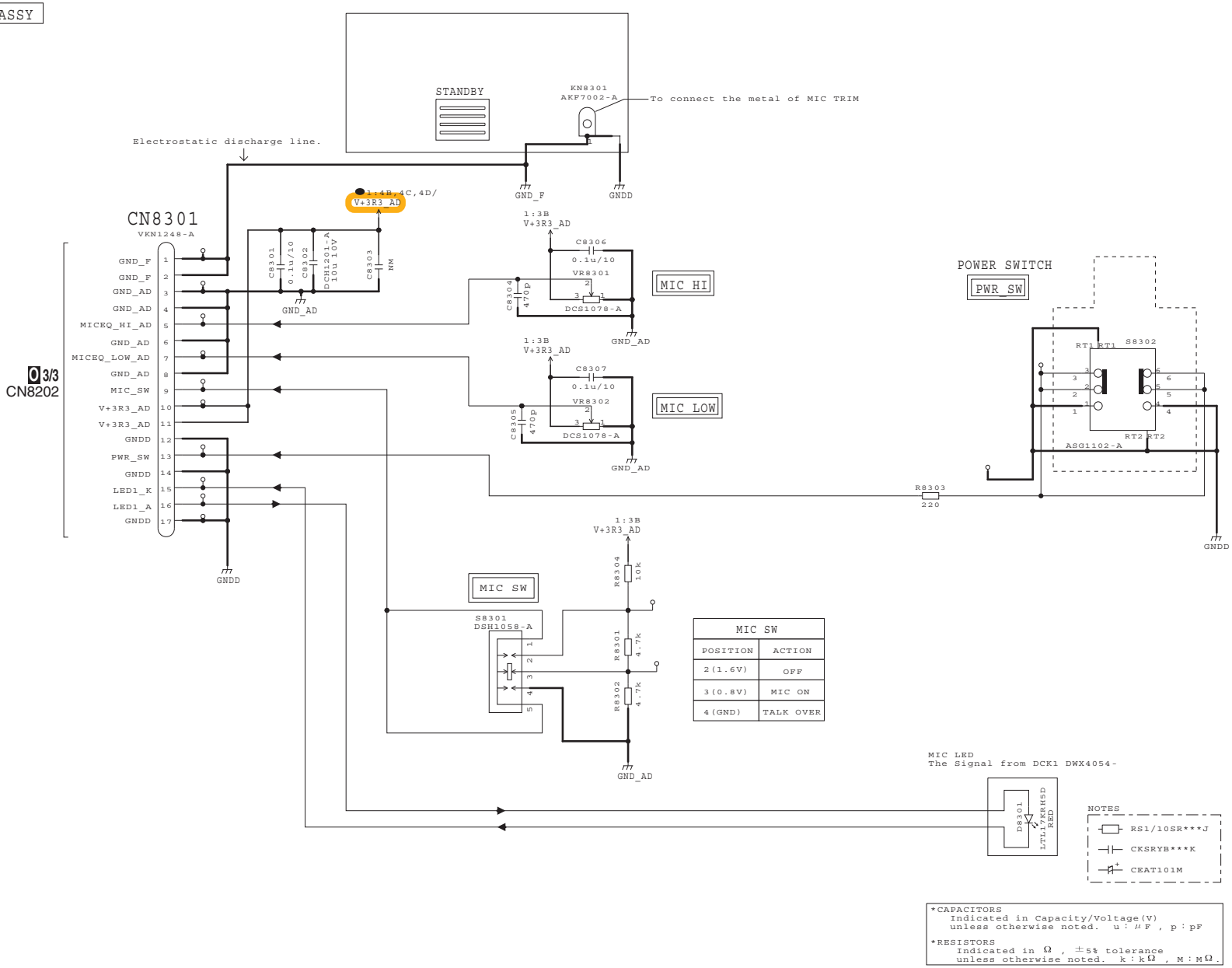
P 3/3 DCK2 ASSY (DWX4062)



Reference:8301~8400

MEQB ASSY

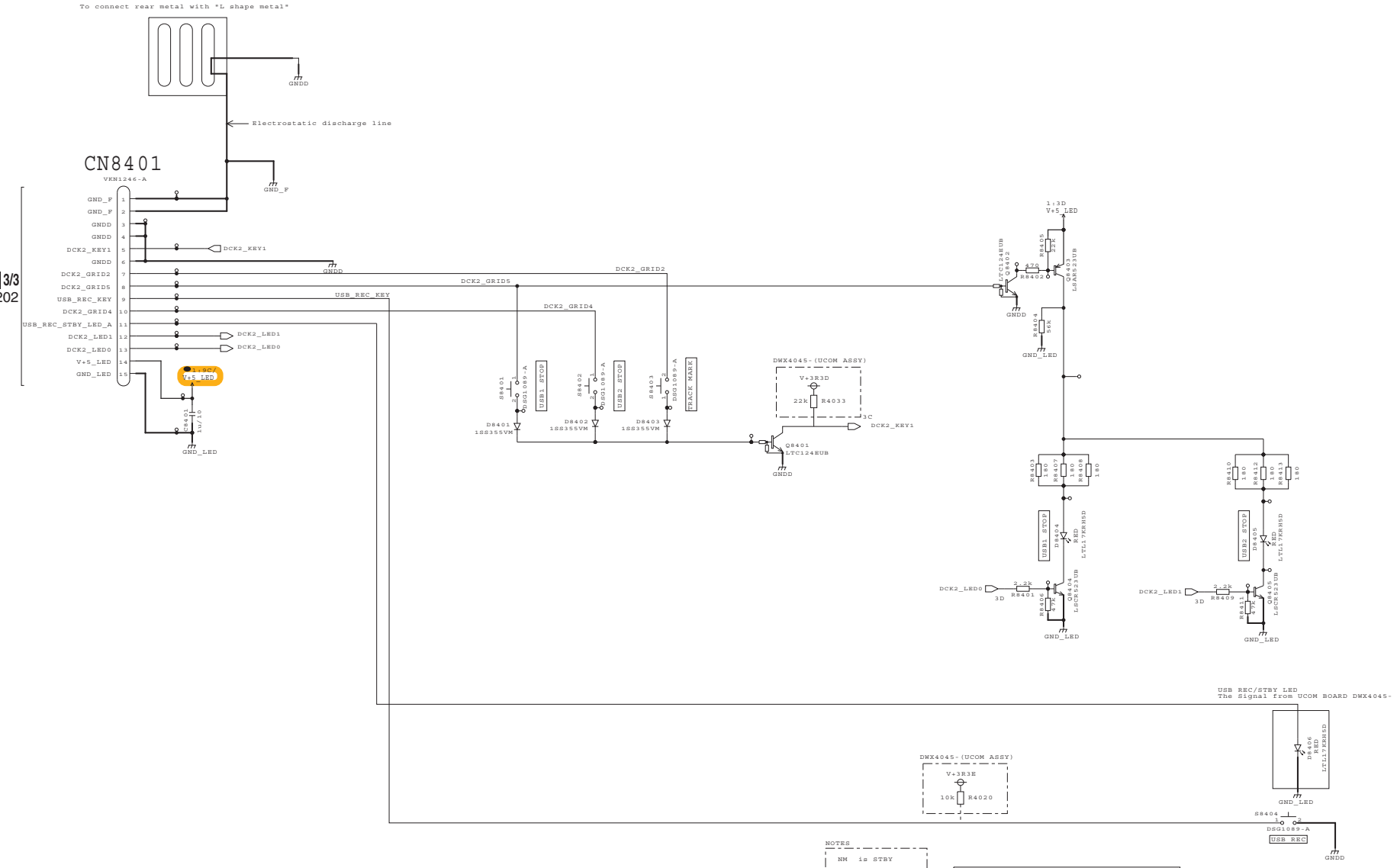
Q MEQB ASSY (DWX4055)



R RECB ASSY (DWX4056)

Reference:8401~8500

REC/USB STOP

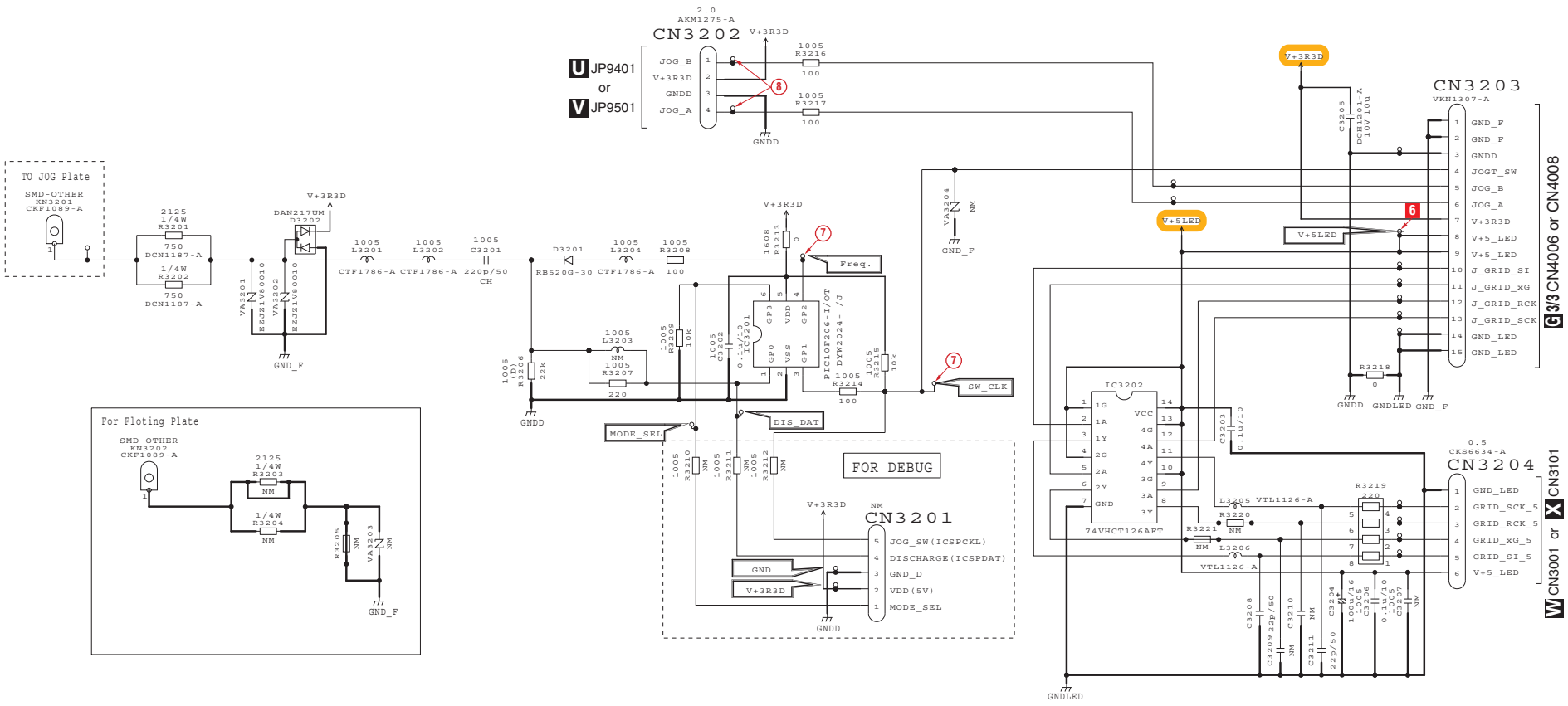


10.42 JOGT1 ASSY

S JOGT1 ASSY (DWX4043)

Note:
The 1 and 2 Assys of JOGT Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

注意：
JOGTの１と２は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は１と２の ASSY を管理していません。
このためそれぞれの場所には１と２どちらかの ASSY が配置されています。



*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

NOTES
NM is No Mount

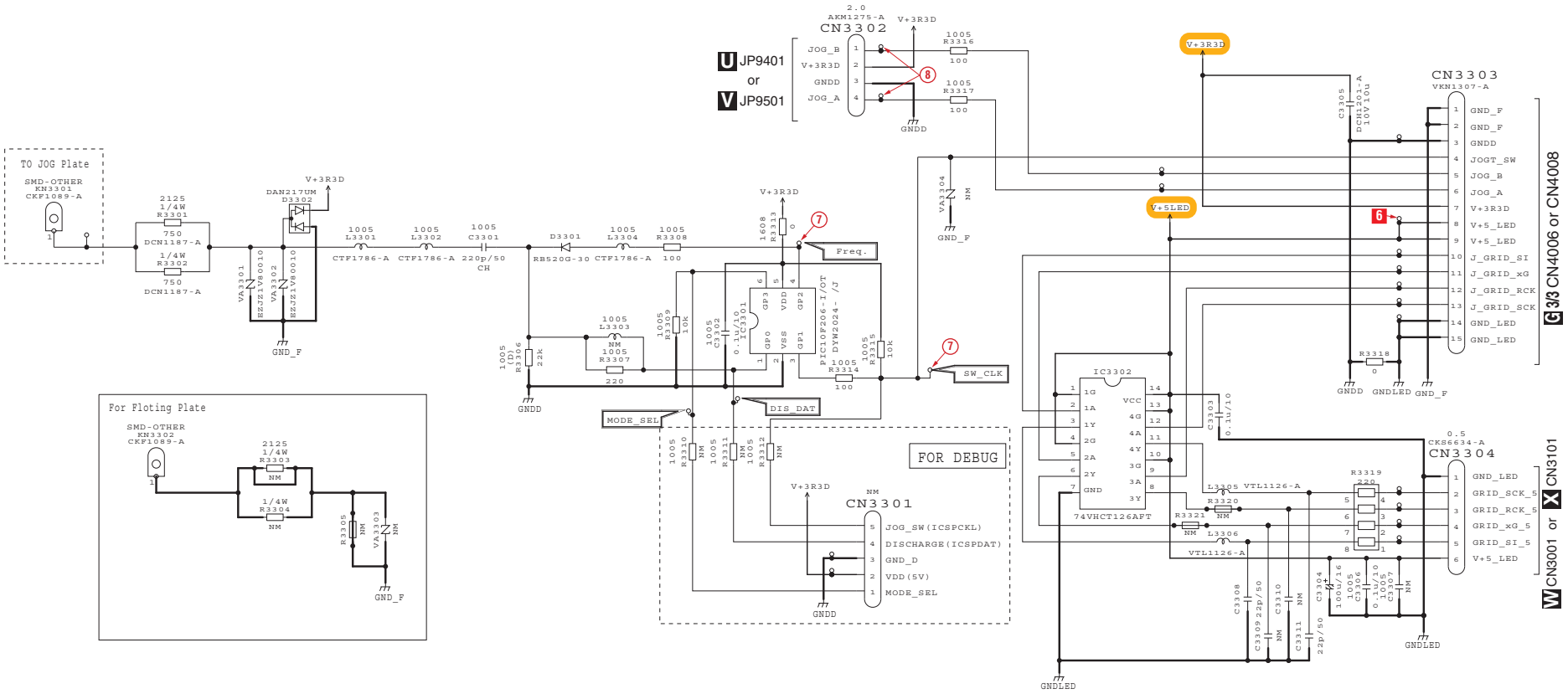
RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J
D RS1/10SR****D, or RS1/16SS****D
F RS1/10SR****F, or RS1/16SS****F
CKSSYB***K
CKSRYB***K
CKSQYB***K
CH CCSSCH***J
CCSRCH***J
N CEVW***M

S

T JOGT2 ASSY (DWX4044)

Note:
The 1 and 2 Assys of JOGT Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

注意：
JOGTの１と２は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は１と２の ASSY を管理していません。
このためそれぞれの場所には１と２どちらかの ASSY が配置されています。



*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

NOTES
NM is No Mount

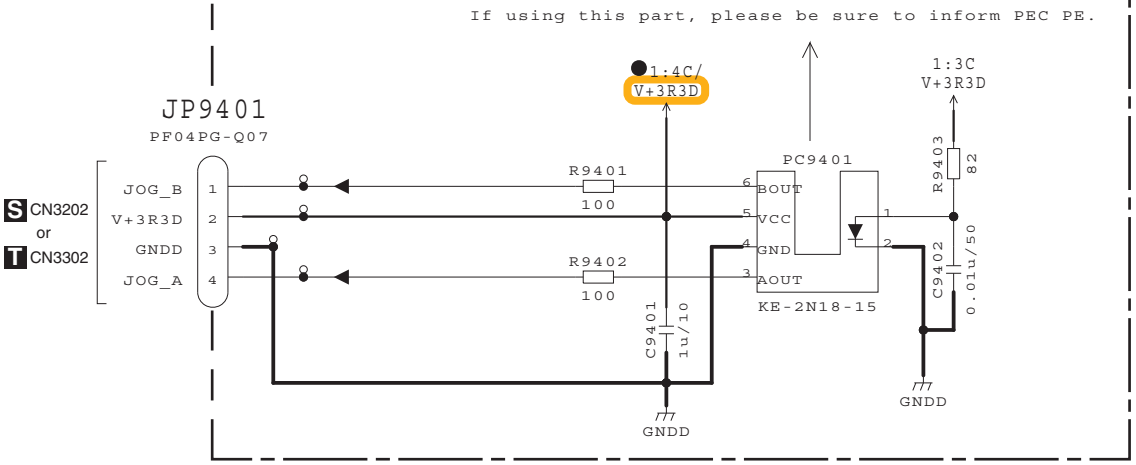
RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D, or RS1/16SS****D
RS1/10SR****F, or RS1/16SS****F
CKSSYB***K
CKSRYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVW***M

10.44 JOG1 and JOG2 ASSYS

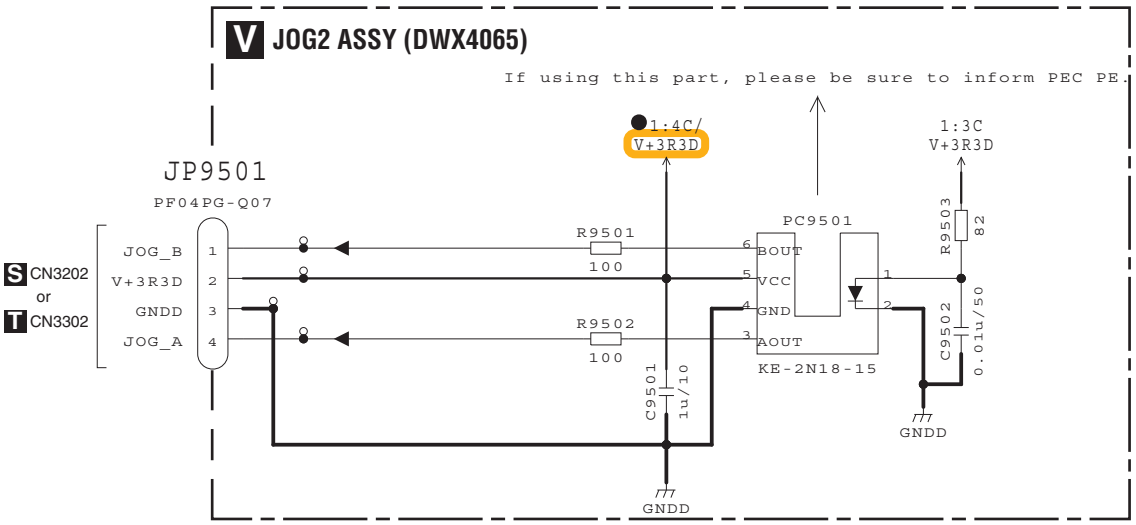
Note:
The 1 and 2 Assys of JOG Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

注意：
JOG の１と２は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は１と２の ASSY を管理していません。
このためそれぞれの場所には１と２どちらかの ASSY が配置されています。

U JOG1 ASSY (DWX4064)



V JOG2 ASSY (DWX4065)



NOTES

NM	is No Mount
⊣▭⊢	RS1/10SR***J
⊣|⊢	CKSRYB***K

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

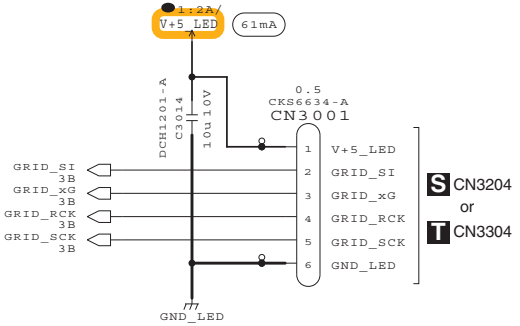
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

10.45 JLED1 ASSY

W JLED1 ASSY (DWX4041)

Note:
The 1 and 2 Assys of JLED Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

注意：
JLED の 1 と 2 は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 どちらかの ASSY が配置されています。



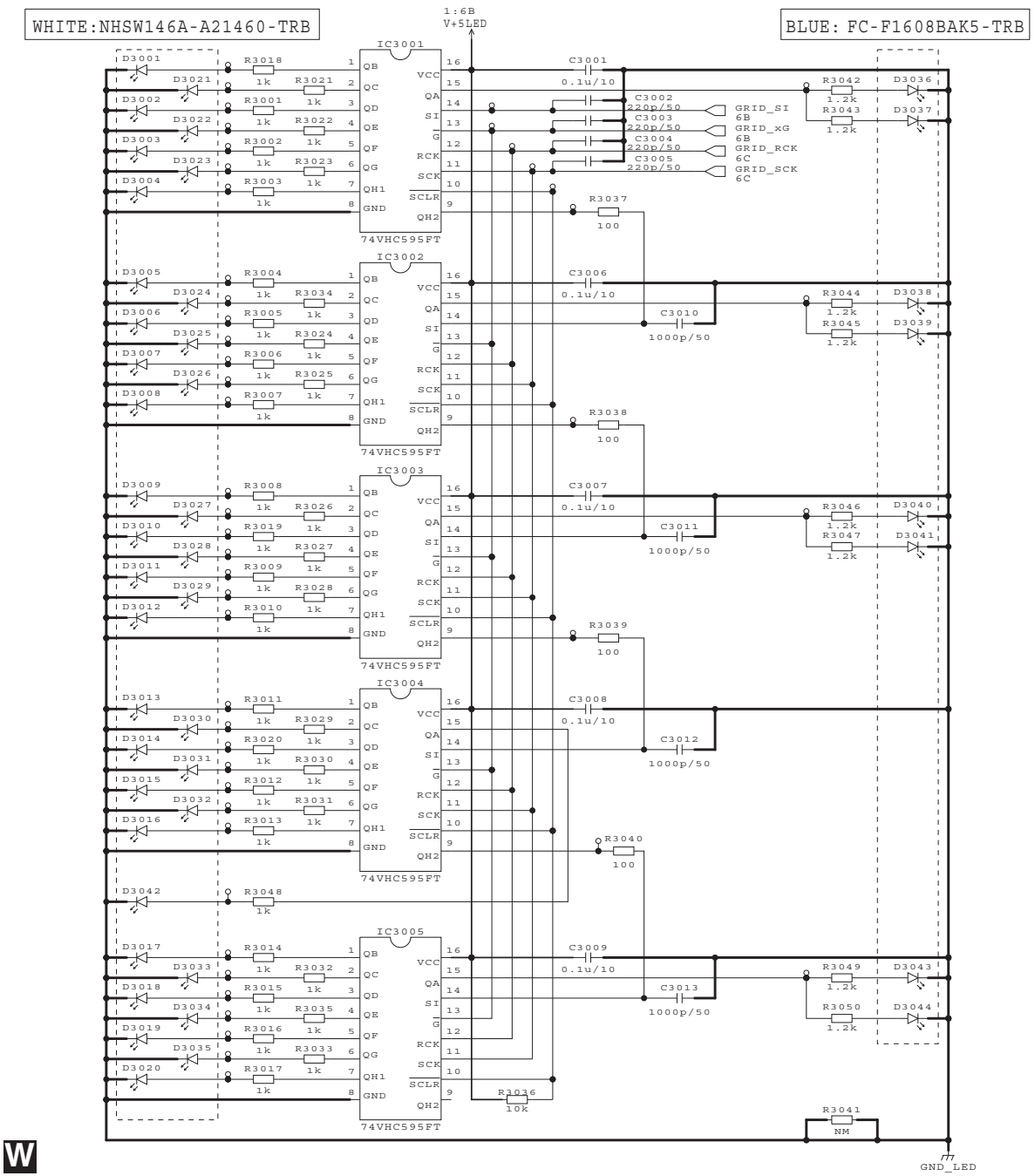
NOTES

NM is No Mount

RS1/16SS***J RS1/10SR***J RS1/8SQ***J RS1/4SA***J	CKSSYB***K CKSRYB***K CKSQYB***K
D RS1/10SR****D, or RS1/16SS****D	CH CCSSCH***J CCSRCH***J
F RS1/10SR****F, or RS1/16SS****F	CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF



10.46 JLED2 ASSY

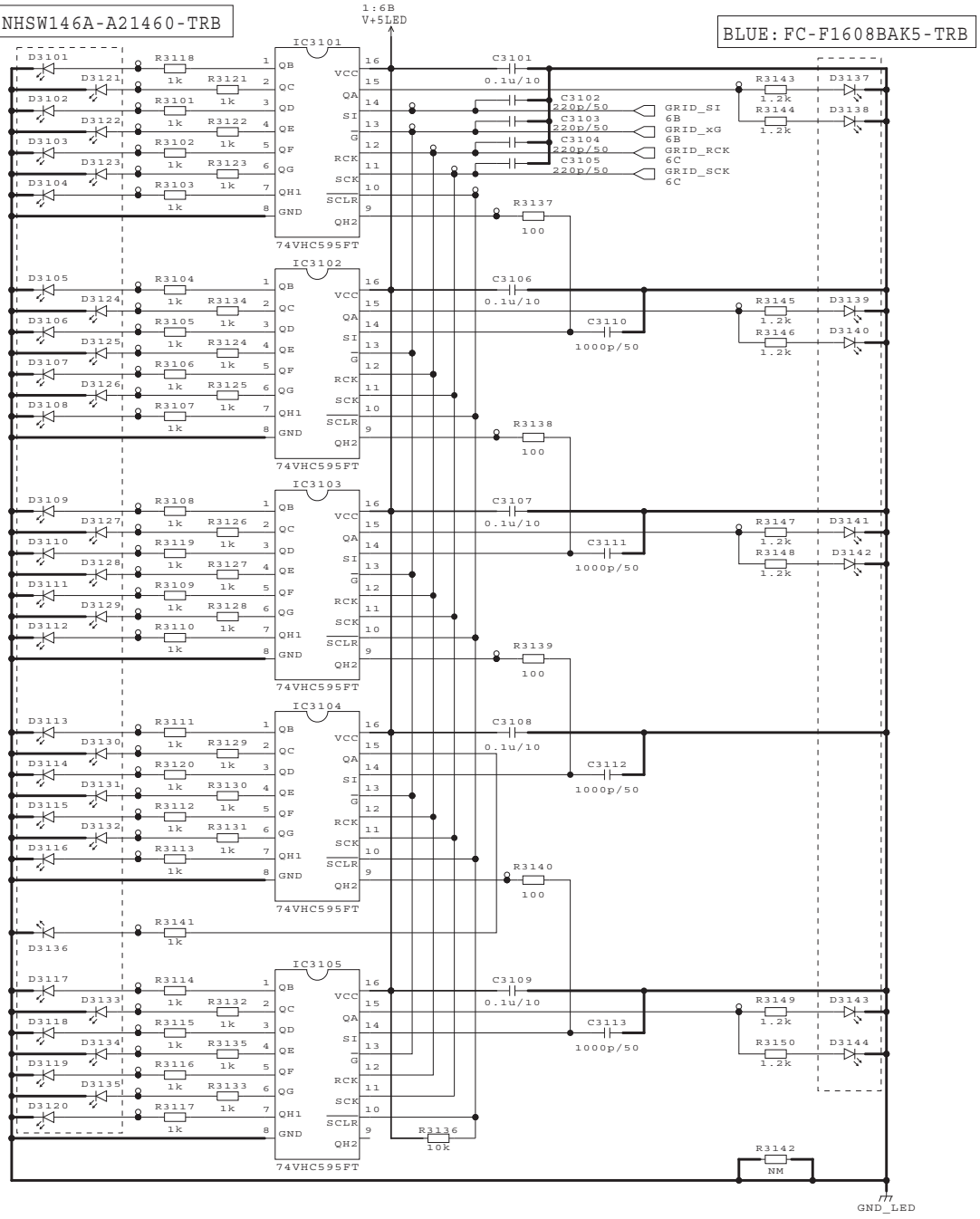
X JLED2 ASSY (DWX4042)

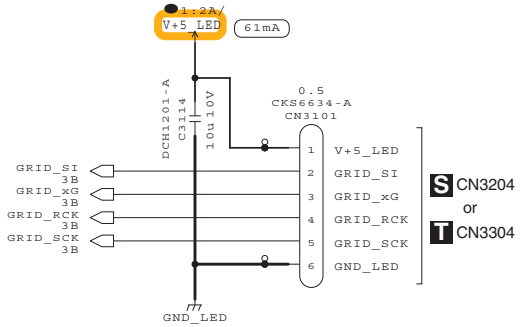
Note:
The 1 and 2 Assys of JLED Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

注意：
JLED の 1 と 2 は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 どちらかの ASSY が配置されています。

WHITE : NHSW146A-A21460-TRB

BLUE : FC-F1608BAK5-TRB





NOTES

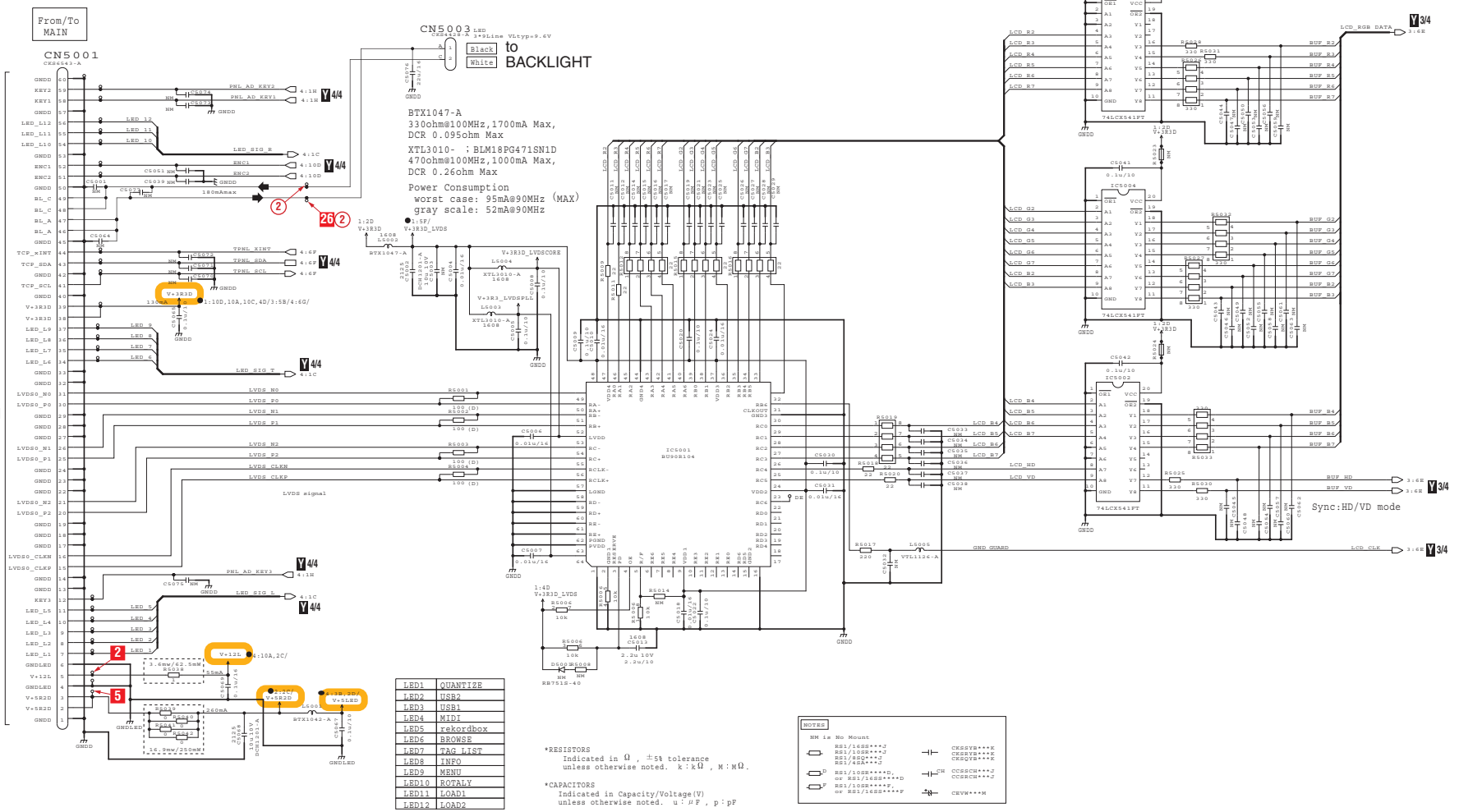
NM is No Mount

RS1/16SS***J RS1/10SR***J RS1/8SQ***J RS1/4SA***J	CKSSYB***K CKSRYB***K CKSQYB***K
RS1/10SR****D, or RS1/16SS****D	CCSSCH***J CCSRCH***J
RS1/10SR****F, or RS1/16SS****F	CEVW***M

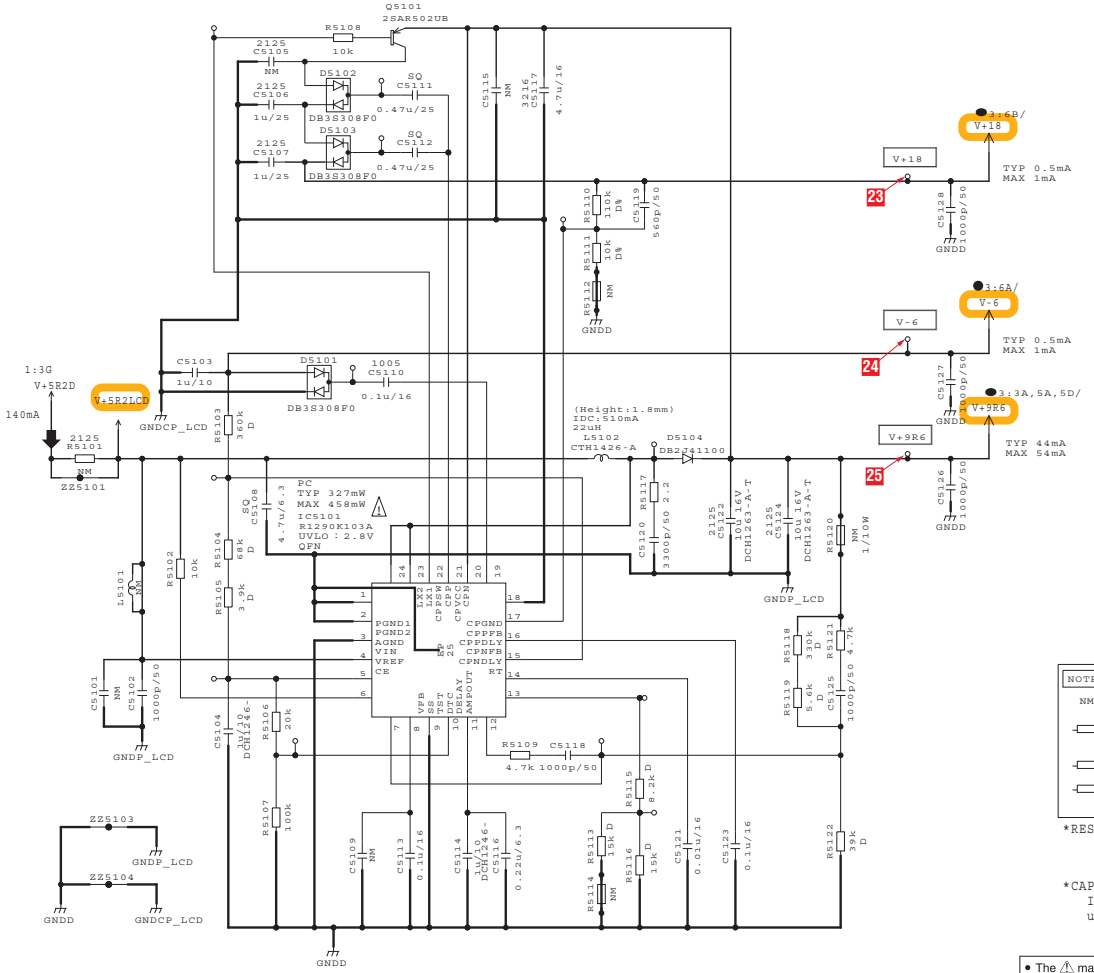
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

Y 1/4 LCD ASSY (DWX4036)



LCD POWER BLOCK



NOTES

NM is No Mount

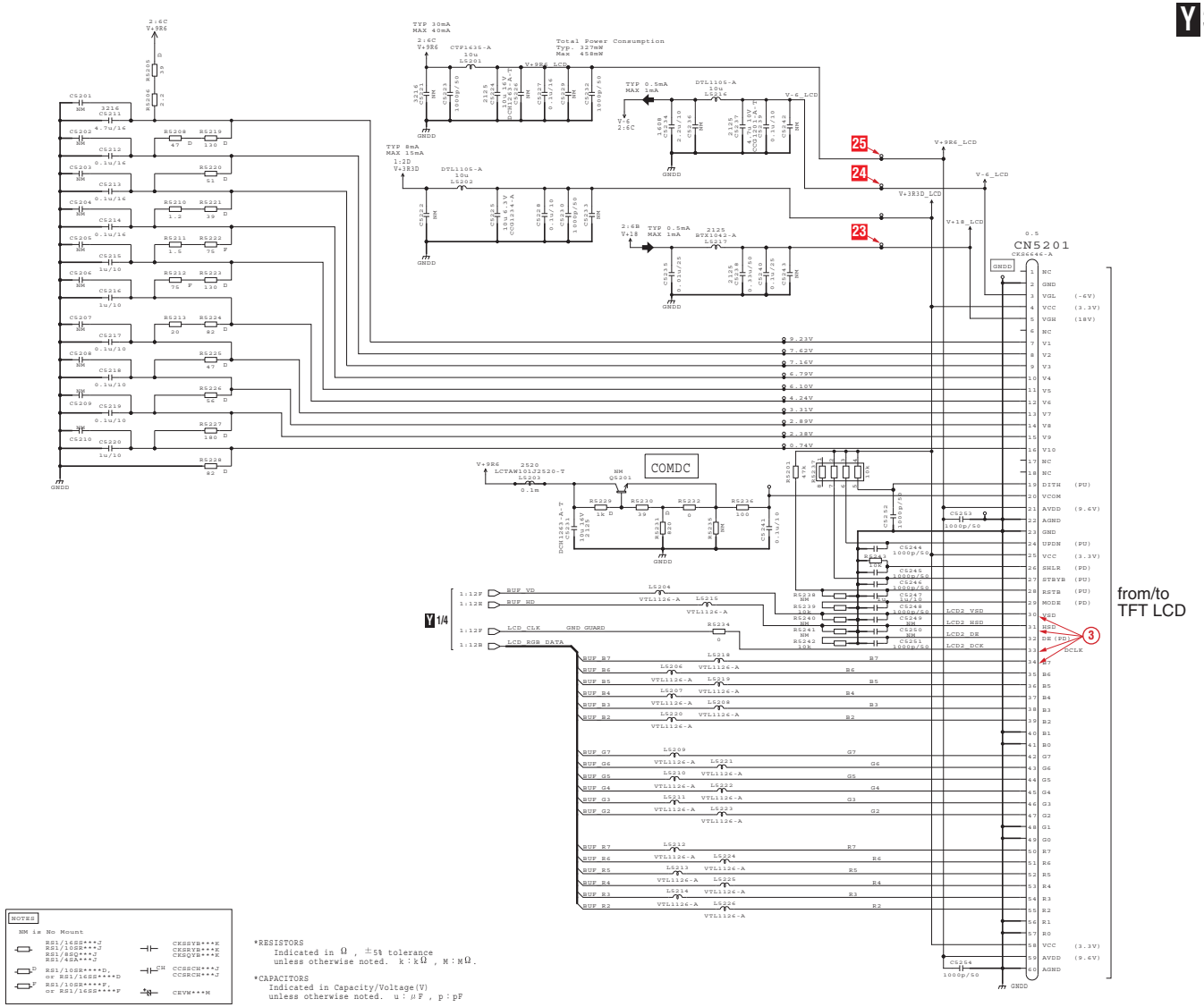
	RS1/16SS***J RS1/10SR***J RS1/8SQ***J RS1/4SA***J		CKSSYB***K CKSRYB***K CKSQYB***K
D	RS1/10SR****D, or RS1/16SS****D	CH	CCSSCH***J CCSRCH***J
F	RS1/10SR****F, or RS1/16SS****F		CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

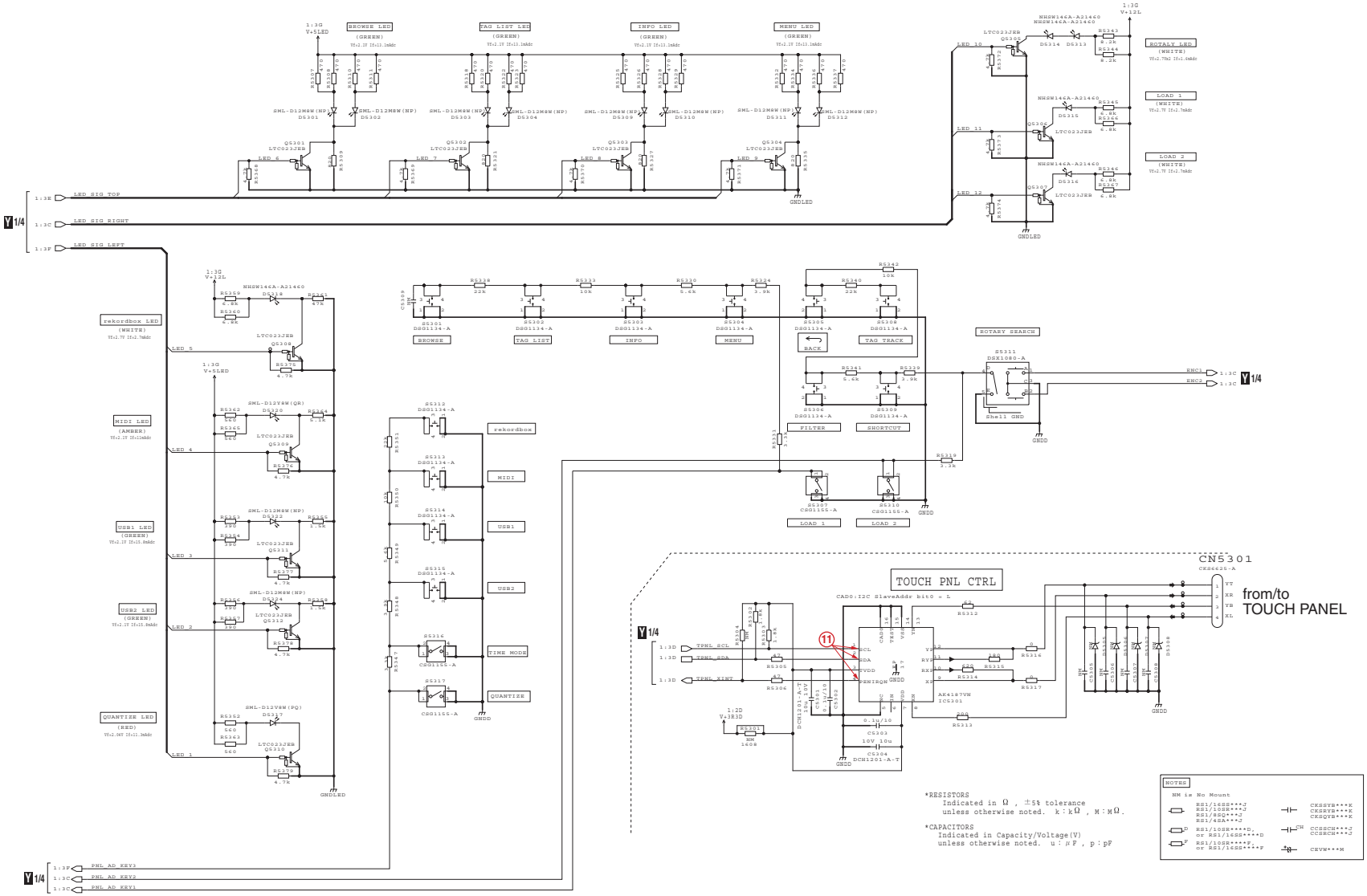
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless noted. u : μF , p : pF

- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
  Therefore, when replacing, be sure to use parts of identical designation.
- ⚠ 印の部品は、安全上重要な部品です。
  交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

Y 3/4 LCD ASSY (DWX4036)


CN5201
COMDC
from/to TFT LCD
Y 1/4
NOTES
NM is No Mount
*RESISTORS
Indicated in Ω , ±5% tolerance unless otherwise noted. k : kΩ , M : MΩ.
*CAPACITORS
Indicated in Capacity/Voltage(V) unless otherwise noted. u : μF , p : pF

Y 4/4 LCD ASSY (DWX4036)



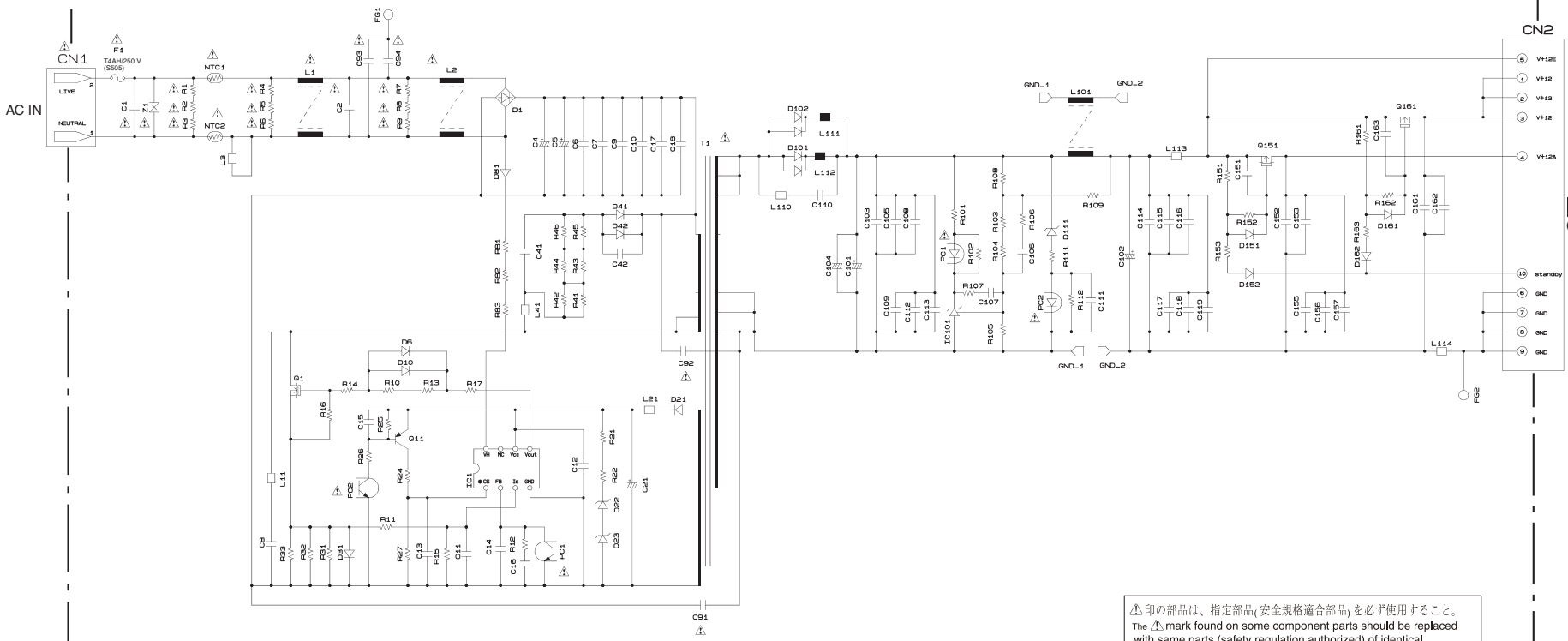
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

NOTES
NM is No Mount

Z SW POWER SUPPLY (DWR1548)

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE NO. S505-4A-R MFD. BY COOPER BUSSMANN INC. FOR F1.



⚠印の部品は、指定部品(安全規格適合部品)を必ず使用すること。
The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

10.52 VOLTAGES

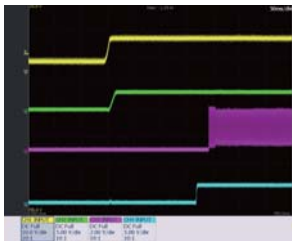
Voltage name	Min	Typ.	Max	Associated Assy	Observation point	Remarks
V+12D	11.40 V	12.00 V	12.60 V	MAIN Assy, AOUT Assy	1	±5%
V+12L	11.40 V	12.00 V	12.60 V	MAIN Assy, UCOM Assy, LCD Assy	2	±5%
V+12A/V+12E	11.40 V	12.00 V	12.60 V	MAIN Assy	3	±5%
V+5R29	5.03 V	5.29 V	5.55 V	MAIN Assy	4	±5%
V+5R2D	4.94 V	5.20 V	5.46 V	MAIN Assy, LCD Assy	5	±5%
V+5LED/V+5_LED	4.94 V	5.20 V	5.46 V	MAIN Assy, UCOM Assy, MXB Assy, LCD Assy, DCK1/2 Assy, JOGT1/2 Assy, LVMB Assy	6	±5%
V+3R3EUP	0.00 V		0.00 V	MAIN Assy, UCOM Assy	7	
V+15A	14.25 V	15.00 V	15.75 V	MAIN Assy, AOUT Assy, MCJK Assy	8	±5%
V-15A	-15.75 V	-15.00 V	-14.25 V	MAIN Assy, AOUT Assy, MCJK Assy	9	±5%
V+7R5HP	7.13 V	7.50 V	7.88 V	MAIN Assy	10	±5%
V-7R5HP	-7.88 V	-7.50 V	-7.13 V	MAIN Assy	11	±5%
V+5ADC	4.95 V	5.00 V	5.05 V	MAIN Assy	12	±1%
V+5A	4.95 V	5.00 V	5.05 V	MAIN Assy, AOUT Assy	13	±1%
V+4R2D	3.99 V	4.20 V	4.41 V	MAIN Assy	14	±5%
V+1R5DDR	1.455 V	1.50 V	1.545 V	MAIN Assy	15	±3%
V+1R375SOC	1.334 V	1.375 V	1.416 V	MAIN Assy	16	Just after startup, ±3%
	1.261 V	1.300 V	1.339 V	MAIN Assy		Normal operation, ±3%
V+1R375CORE	1.334 V	1.375 V	1.416 V	MAIN Assy	17	Just after startup, ±3%
	1.261 V	1.300 V	1.339 V	MAIN Assy		Normal operation, ±3%
V+2R8VHIGH	2.716 V	2.80 V	2.884 V	MAIN Assy	18	Just after startup, ±3%
	2.910 V	3.00 V	3.090 V	MAIN Assy		Normal operation, ±3%
V+3R0VSNVS	2.85 V	3.00 V	3.15 V	MAIN Assy	19	±5%
V+3R3D	3.201 V	3.30 V	3.399 V	MAIN Assy, LCD Assy, UCOM Assy, MXB Assy, DCK1/2 Assy, AOUT Assy, PAD1/2 Assy, JOGT1/2 Assy, JOG1/2 Assy, LVMB Assy	20	±3%
V+3R3A	3.201 V	3.30 V	3.399 V	MAIN Assy	21	±3%
V+5VBUS1 /V+5VBUS2	4.88 V	5.14 V	5.40 V	AOUT Assy, USBA1/2 Assy	22	±5%
V+18	17.10 V	18.00 V	18.90 V	LCD Assy	23	±5%
V-6	-5.70 V	-6.00 V	-6.30 V	LCD Assy	24	±5%
V+9R6	9.12 V	9.60 V	10.08 V	LCD Assy	25	±5%
LCD Backlight	9.55 V	10.60 V	11.75 V	LCD Assy	26	
V+3R3_AD	3.14 V	3.30 V	3.47 V	UCOM Assy, MXRB Assy, DCK1/2 Assy, MEQB Assy, CRFD Assy	27	±5%

10.53 WAVEFORMS

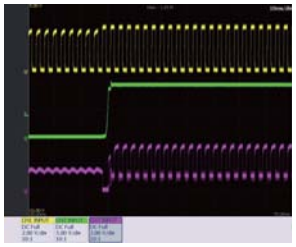
NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

注意: ◯で囲まれた数字は回路図及びPCB図の各測定ポイントの番号を示します.

(1) Power cord connection → EUP start up
CH1: **CN101 - pin 5** (V+12E)
V: 10 V/div. H: 50 ms/div.
CH2: **CN4010 - pin 19** (V+3R3EUP)
V: 5 V/div. H: 50 ms/div.
CH3: **IC4001 - pin 15** (EUP X'tal)
V: 2 V/div. H: 50 ms/div.
CH4: **CN4010 - pin 37** (EUP_IMX_XRST)
V: 5 V/div. H: 50 ms/div.

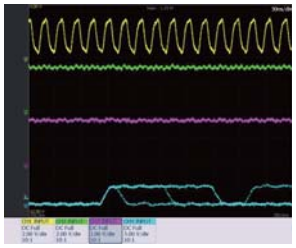


(2) LCD backlight (start up/DIMMER control 3)
CH1: **IC303 - pin 8** (LCD_PWM)
V: 2 V/div. H: 10 ms/div.
CH2: **CN5003 - pin 1** (Black)
V: 5 V/div. H: 10 ms/div.
CH3: **CN5003 - pin 2** (Black)
V: 2 V/div. H: 10 ms/div.

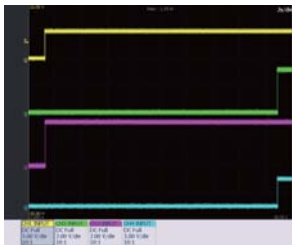


(3) LCD RGB operation (CLK/HD/VD)
CH1: **CN5201 - pin 33** (LCD_CLK)
V: 2 V/div. H: 100 µs/div.
CH2: **CN5201 - pin 30** (VSD)
V: 2 V/div. H: 100 µs/div.
CH3: **CN5201 - pin 31** (HSD)
V: 2 V/div. H: 100 µs/div.
CH4: **CN5201 - pin 34** (B7)
V: 5 V/div. H: 100 µs/div.

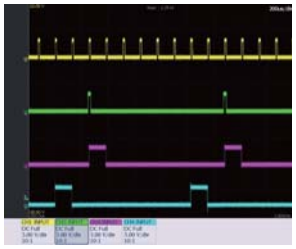
CH1: **CN5201 - pin 33** (LCD_CLK)
V: 2 V/div. H: 50 ns/div.
CH2: **CN5201 - pin 30** (VSD)
V: 2 V/div. H: 50 ns/div.
CH3: **CN5201 - pin 31** (HSD)
V: 2 V/div. H: 50 ns/div.
CH4: **CN5201 - pin 34** (B7)
V: 5 V/div. H: 50 ns/div.



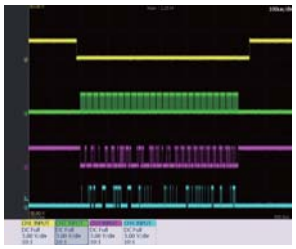
(4) USB high side SW operation at start up
CH1: **V+5USBA1/V+5USBA2**
V: 5 V/div. H: 2 s/div.
CH2: **IC4501 - pins 12, 16** (USB1_EN/USB2_EN)
V: 2 V/div. H: 2 s/div.
CH3: **IC4501 - pins 13, 17** (USB1_FAULT/USB2_FAULT)
V: 2 V/div. H: 2 s/div.
CH4: **V+5VBUS_A1/V+5VBUS_A2**
V: 5 V/div. H: 2 s/div.



(5) Grid control
CH1: **IC3401 - pin 8** (GRID_SCK)
V: 5 V/div. H: 200 µs/div.
CH2: **IC3401 - pin 1** (GRID_SI)
V: 5 V/div. H: 200 µs/div.
CH3: **IC3401 - pin 3** (MXR_GRID0)
V: 5 V/div. H: 200 µs/div.
CH4: **IC3401 - pin 12** (MXR_GRID6)
V: 5 V/div. H: 200 µs/div.



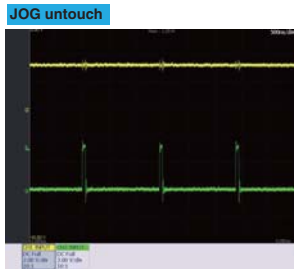
(6) Microcomputers communication
CH1: **EUP_CS**
V: 5 V/div. H: 100 µs/div.
CH2: **EUP_SCLK**
V: 5 V/div. H: 100 µs/div.
CH3: **EUP_MOSI**
V: 5 V/div. H: 100 µs/div.
CH4: **EUP_MISO**
V: 5 V/div. H: 100 µs/div.



CH1: **EUP_CS**
V: 5 V/div. H: 2 µs/div.
CH2: **EUP_SCLK**
V: 5 V/div. H: 2 µs/div.
CH3: **EUP_MOSI**
V: 5 V/div. H: 2 µs/div.
CH4: **EUP_MISO**
V: 5 V/div. H: 2 µs/div.

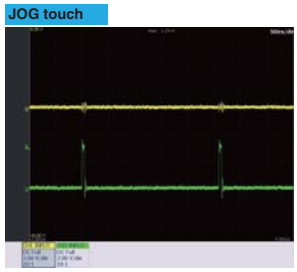
(7) JOG touch signal (touch / untouch)
CH1: **IC3201/IC3301 - pin 4** (Freq)
V: 2 V/div. H: 500 ns/div.
CH2: **IC3201/IC3301 - pin 3** (SW_CLK)
V: 2 V/div. H: 500 ns/div.

JOG untouch

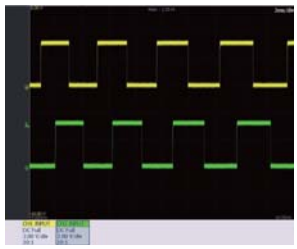


CH1: **IC3201/IC3301 - pin 4** (Freq)
V: 2 V/div. H: 500 ns/div.
CH2: **IC3201/IC3301 - pin 3** (SW_CLK)
V: 2 V/div. H: 500 ns/div.

JOG touch



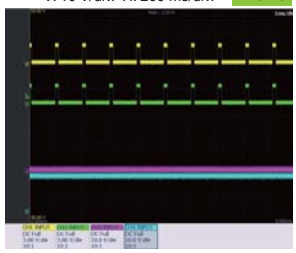
(8) JOG rotation signal
CH1: **CN3202/CN3302 - pin 1** (JOGR_A)
V: 2 V/div. H: 2 ms/div.
CH2: **CN3202/CN3302 - pin 4** (JOGR_B)
V: 2 V/div. H: 2 ms/div.



(9) AD SW operation
CH1: **IC7003 - pin 10** (AD_SEL_A)
V: 5 V/div. H: 1 ms/div.
CH2: **IC7003 - pin 9** (AD_SEL_B)
V: 5 V/div. H: 1 ms/div.
CH3: **IC7003 - pin 4** (TRIM1) *TRIM1 MAX
V: 2 V/div. H: 1 ms/div.
CH4: **IC7003 - pin 3** (MXR_AD0)
V: 2 V/div. H: 1 ms/div.

(10) Audio INPUT / SW AMP select (Line → Phono)
CH1: **S7004 - pin 1**
V: 5 V/div. H: 200 ms/div.
CH2: **S7004 - pin 5**
V: 5 V/div. H: 200 ms/div.
CH3: **Q2103** (SW_SEL1/2)
V: 10 V/div. H: 200 ms/div.
CH4: **IC2103 - pin 1**
V: 10 V/div. H: 200 ms/div.

PHONO



LINE

DECK1/2

(11) Touch panel
CH1: **IC5301 - pin 4** (TPNL_XINT)
V: 5 V/div. H: 200 ms/div.
CH2: **IC5301 - pin 1** (TPNL_SCL)
V: 5 V/div. H: 200 ms/div.
CH3: **IC5301 - pin 2** (TPNL_SDA)
V: 10 V/div. H: 200 ms/div.

■ AUDIO SECTION

Measurement Condition

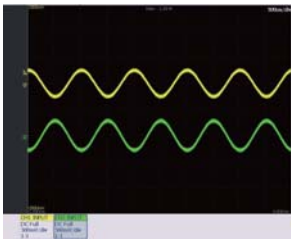
IN or OUT	Measured CH	IN CH	IN Level	IN Frequency	RL	Remarks
OUT	MASTER1	CH2	0 dBfs	1kHz	10 kΩ	MASTER2: same conditions
OUT	BOOTH	CH2	0 dB	1kHz	10 kΩ	
OUT	HP	CH2	0 dB	1kHz	32 Ω	
IN	LINE	CH2	0 dB	1kHz		CH1: same conditions
IN	PHONO	CH2	-40 dB	1kHz		CH1: same conditions
IN	AUX	AUX	-30 dB	1kHz		
IN	MIC	MIC2	-40 dB	1kHz		MIC1: same conditions, TS JACK

Each SW/VR Position

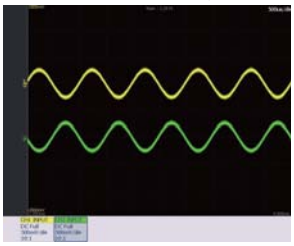
Name	Position	Name	Position
TRIM	CENTER	TEMPO SLIDER	CENTER
EQ	CENTER	FX PARAMETER	CENTER
CH FADER	MAX	COLOR	CENTER
MIC SW	ON	MASTER LEVEL	CENTER
MIC LEVEL	CENTER	BOOTH MONITOR	CENTER
MIC EQ	CENTER	HP LEVEL	CENTER
CROSS FADER	CENTER	BALANCE	CENTER
CROSS FADER CURVE	CENTER		
CROSS FADER ASSIGN	THRU		

F AOUT ASSY

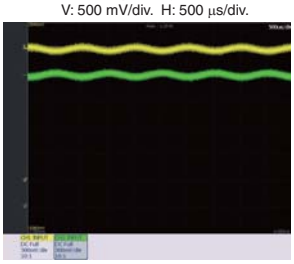
A-1 **MASTER1 OUTPUT**
CH1: **JA4502** (MASTER1_L_HOT)
V: 500 mV/div. H: 500 µs/div.
CH2: **JA4502** (MASTER1_L_COLD)
V: 500 mV/div. H: 500 µs/div.



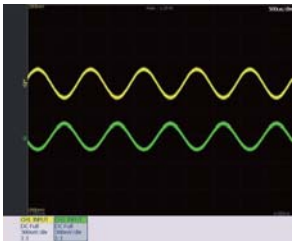
A-2 **MASTER1 OPAMP**
CH1: **IC4507 - pin 7** (L+)
V: 500 mV/div. H: 500 µs/div.
CH2: **IC4507 - pin 1** (L-)
V: 500 mV/div. H: 500 µs/div.



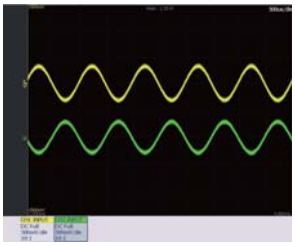
A-3 **MASTER1 DAC**
CH1: **IC4506 - pin 12** (AOUTL+)
V: 500 mV/div. H: 500 µs/div.
CH2: **IC4506 - pin 11** (AOUTL-)
V: 500 mV/div. H: 500 µs/div.



A-4 **BOOTH OUTPUT**
CH1: **JA4504** (BOOTH_L_HOT)
V: 500 mV/div. H: 500 µs/div.
CH2: **JA4504** (BOOTH_L_COLD)
V: 500 mV/div. H: 500 µs/div.

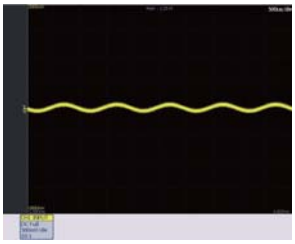


A-5 **BOOTH OPAMP**
CH1: **IC4514 - pin 1** (BOOTH_L_HOT)
V: 500 mV/div. H: 500 µs/div.
CH2: **IC4514 - pin 7** (BOOTH_L_COLD)
V: 500 mV/div. H: 500 µs/div.

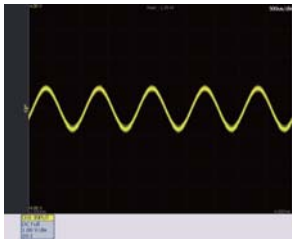


A MAIN ASSY

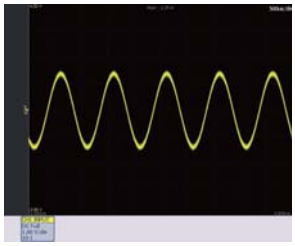
A-6 **MIC2_L**
CH1: **C2523**
V: 500 mV/div. H: 500 µs/div.



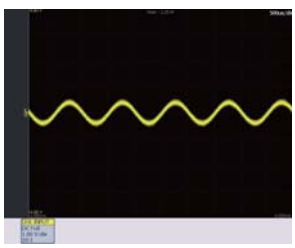
A-7 **HP_L**
CH1: **IC1902 - pin 1**
V: 1 V/div. H: 500 µs/div.



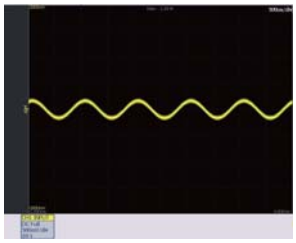
A-8 **CH2_L (LINE)**
CH1: **JA2301 pin 5** (IN2L_L)
V: 1 V/div. H: 500 µs/div.



A-9 **CH2_L (PHONO)**
CH1: **IC2301 - pin 7**
V: 1 V/div. H: 500 µs/div.

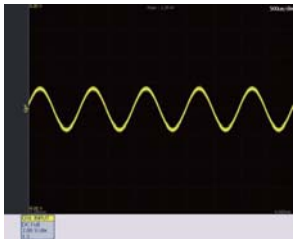


A-10 **AUX _L**
CH1: **IC2504 - pin 5**
V: 500 mV/div. H: 500 µs/div.



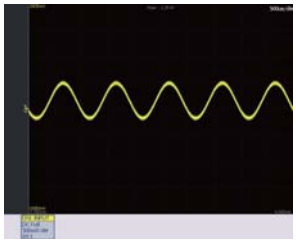
D HPJK ASSY

A-11 **HP OUTPUT**
CH1: **JA7601**
V: 2 V/div. H: 500 µs/div.



B MCJK ASSY

A-12 **MIC INPUT**
CH1: **CN4902 - pin 6**
V: 500 mV/div. H: 500 µs/div.

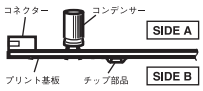


11. PCB CONNECTION DIAGRAM
11.1 MAIN ASSY

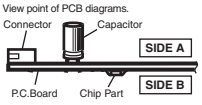
SIDE A

SIDE A

PCB 図に対する注意
1. この PCB 図にマウントしている部品は複数の仕向地の部品を含んでいます。各仕向地の情報は、回路図で確認するようにしてください。

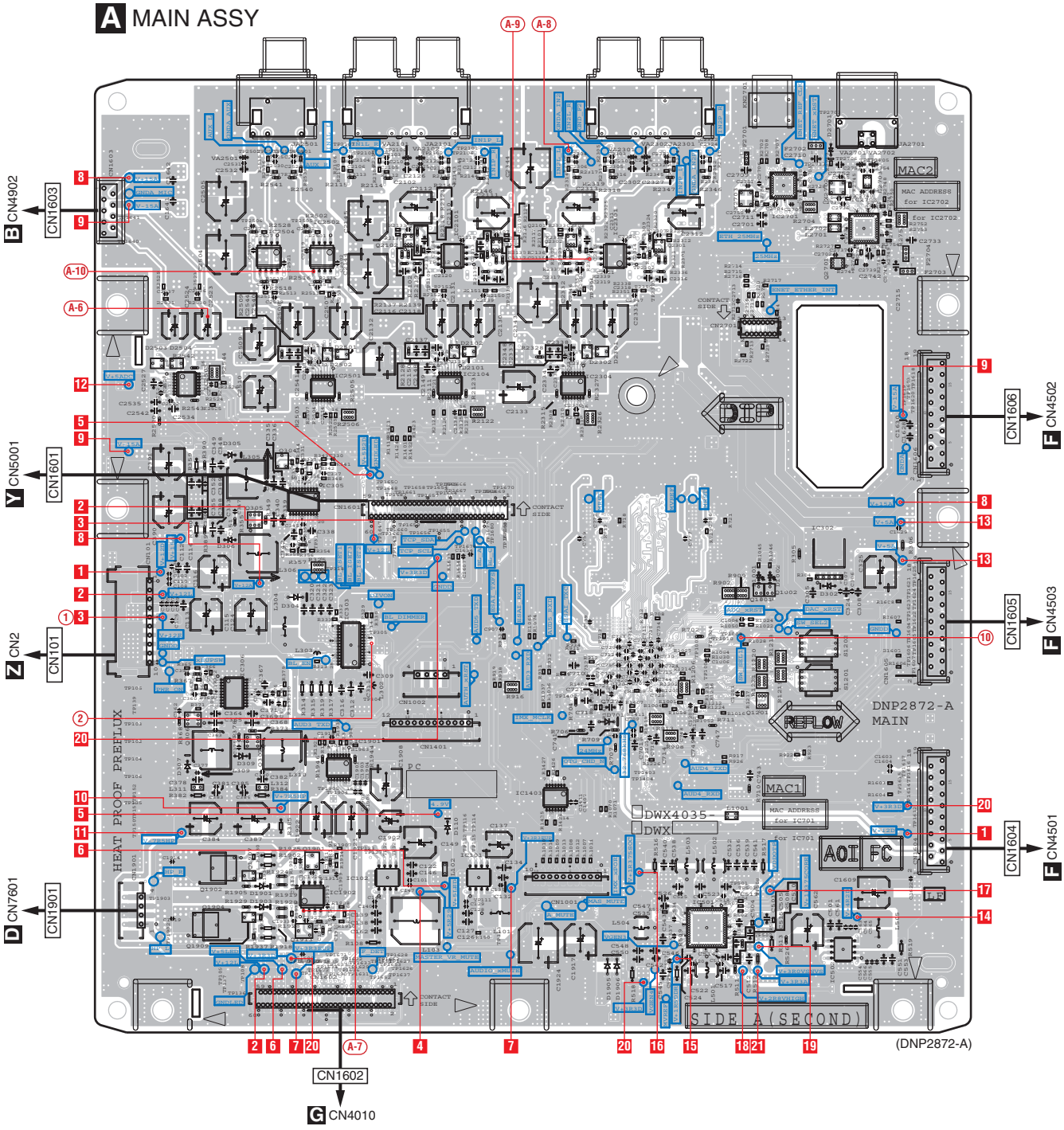
2. PCB 図の見かた。


NOTE FOR PCB DIAGRAMS :
1. The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.

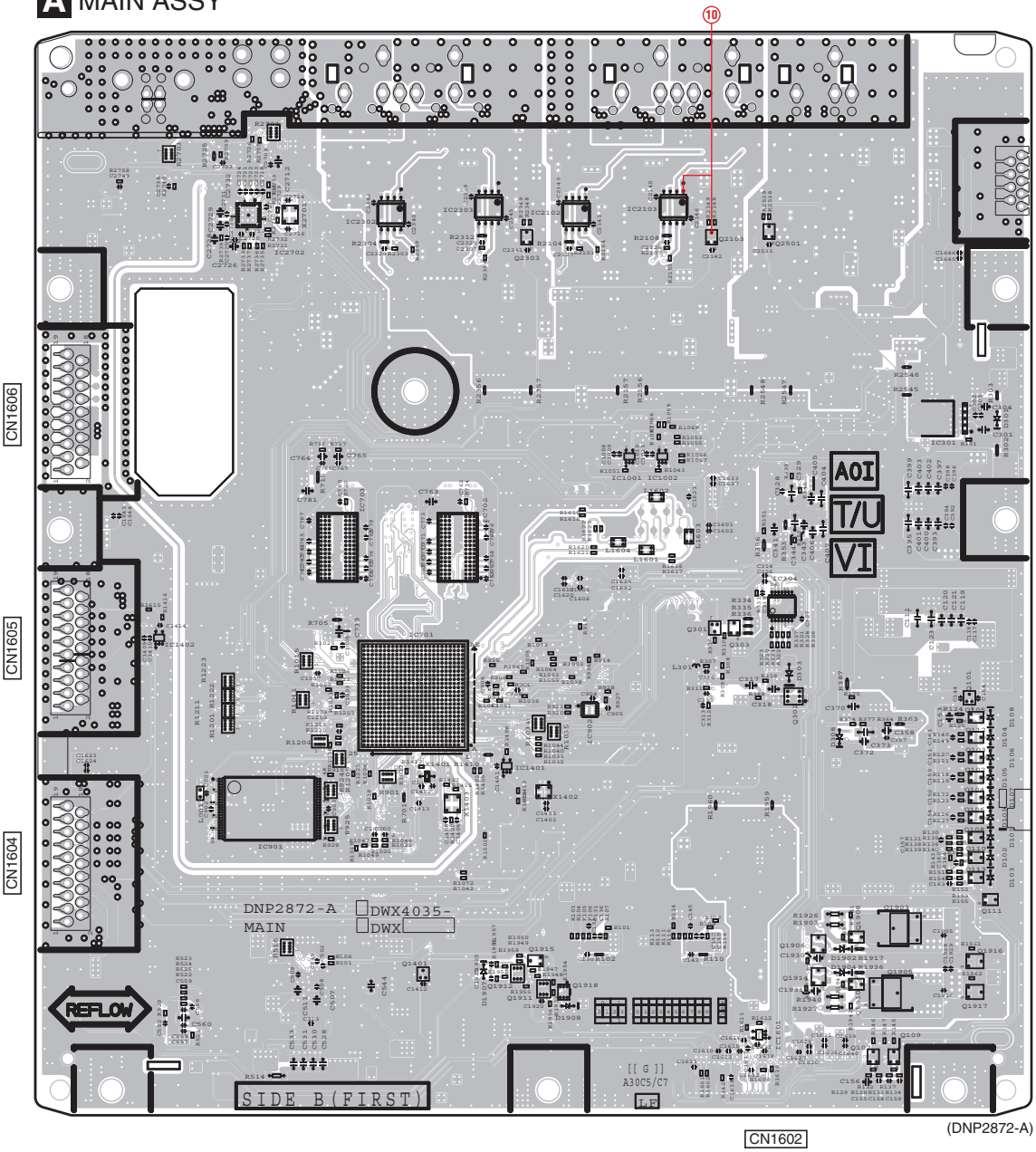
2. View point of PCB diagrams.


The blue character is silk for services.

A MAIN ASSY

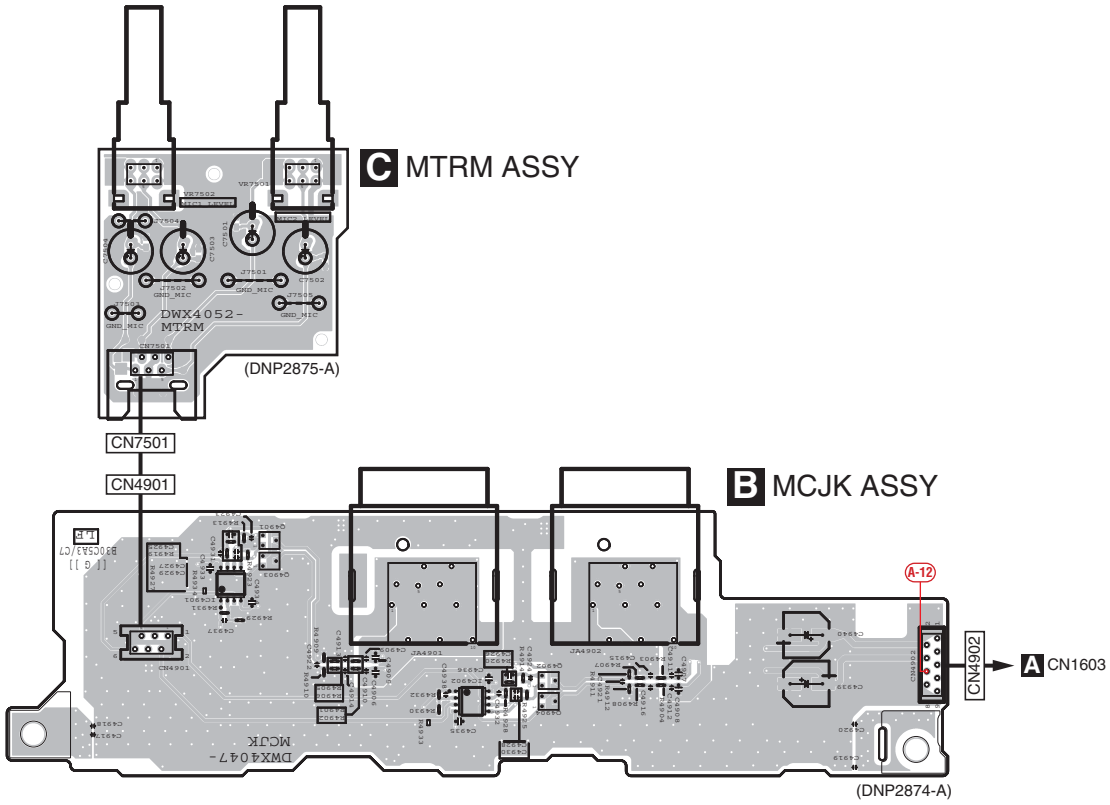


A MAIN ASSY

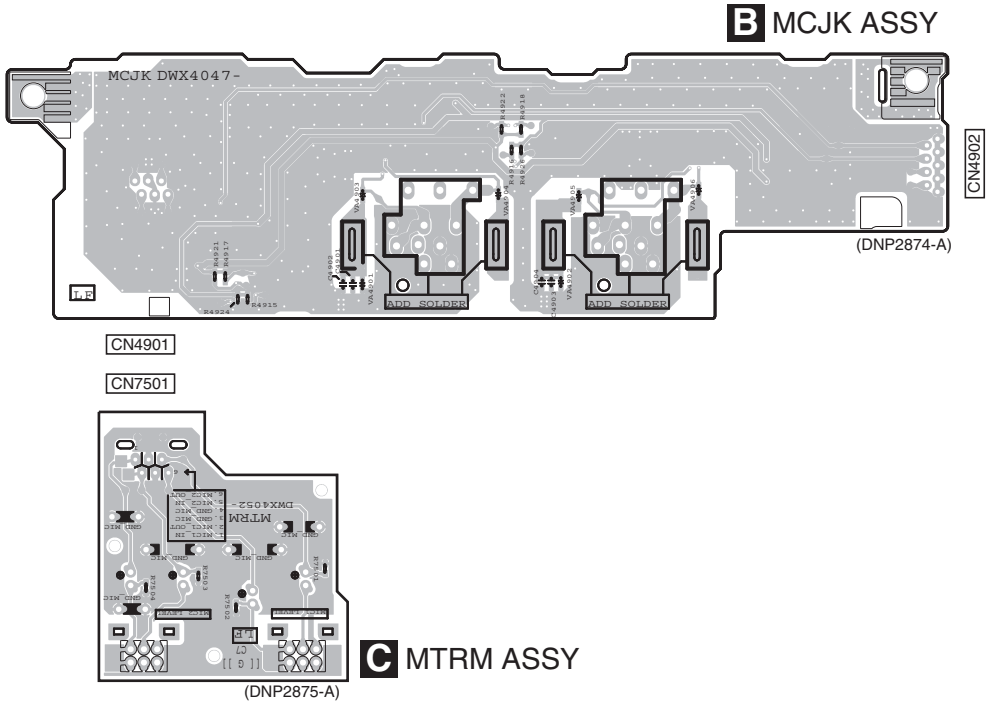

10
CN1603
CN1606
CN1601
CN1605
CN1101
CN1604
CN1901
CN1602
A0I
T/U
VI
DNP2872-A
MAIN
DWX4035-
DWX
REFLOW
SIDE B(FIRST)
(DNP2872-A)

11.2 MCJK and MTRM ASSYS

SIDE A



SIDE B

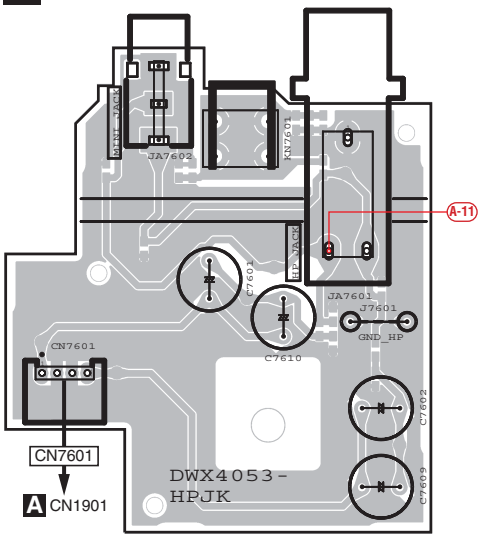


11.3 HPJK and USBA ASSYS

SIDE A

SIDE A

D HPJK ASSY

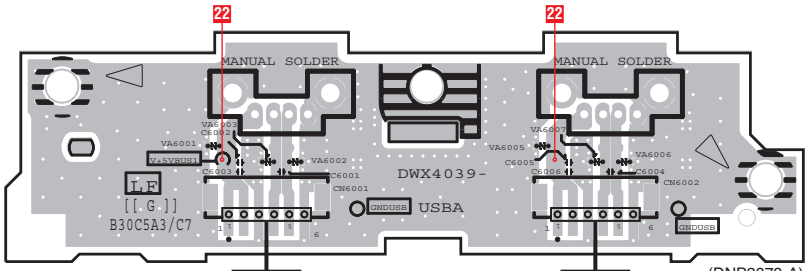


CN7601

A CN1901

(DNP2875-A)

E USBA ASSY



CN6001

F CN4505

CN6002

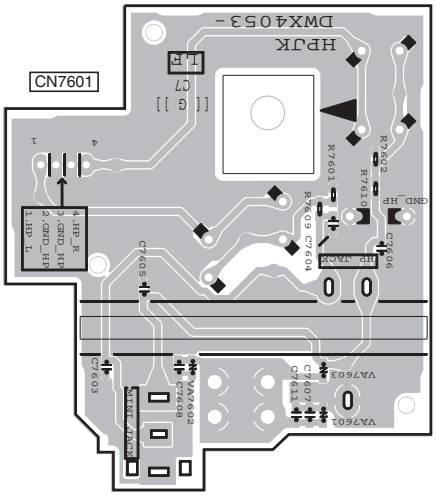
F CN4504

(DNP2873-A)

SIDE B

SIDE B

(DNP2875-A)



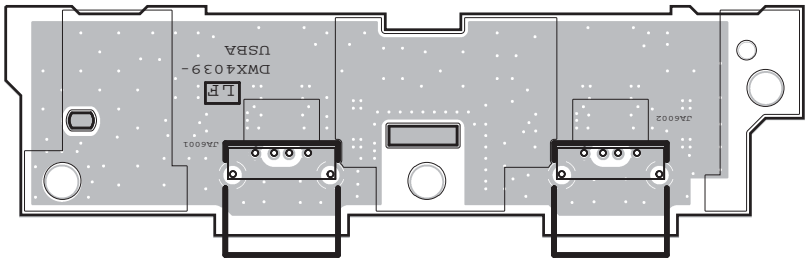
CN7601

D HPJK ASSY

CN6001

CN6002

(DNP2873-A)



E USBA ASSY

D E

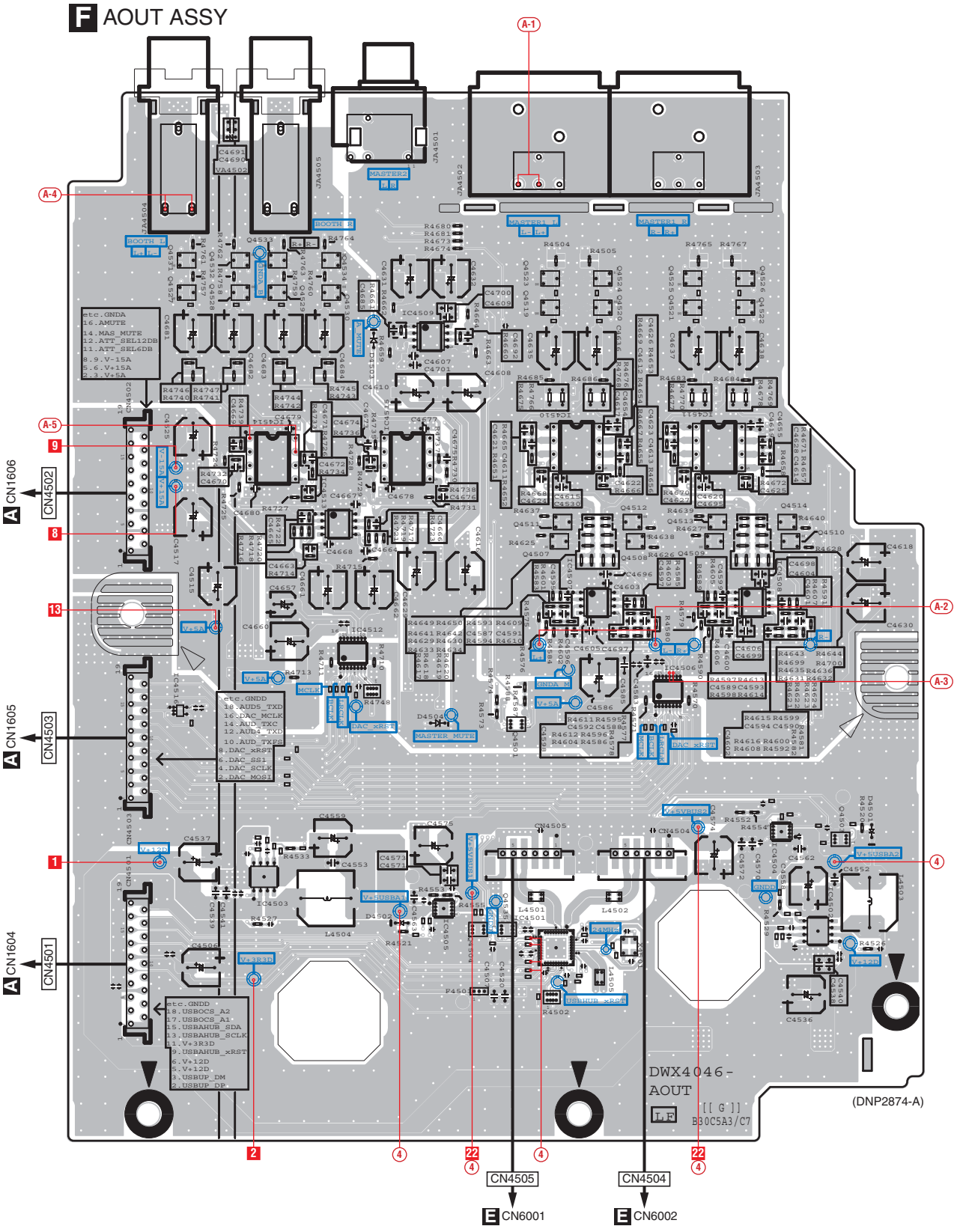
D E

11.4 AOUT ASSY

SIDE A

SIDE A

The blue character is silk for services.

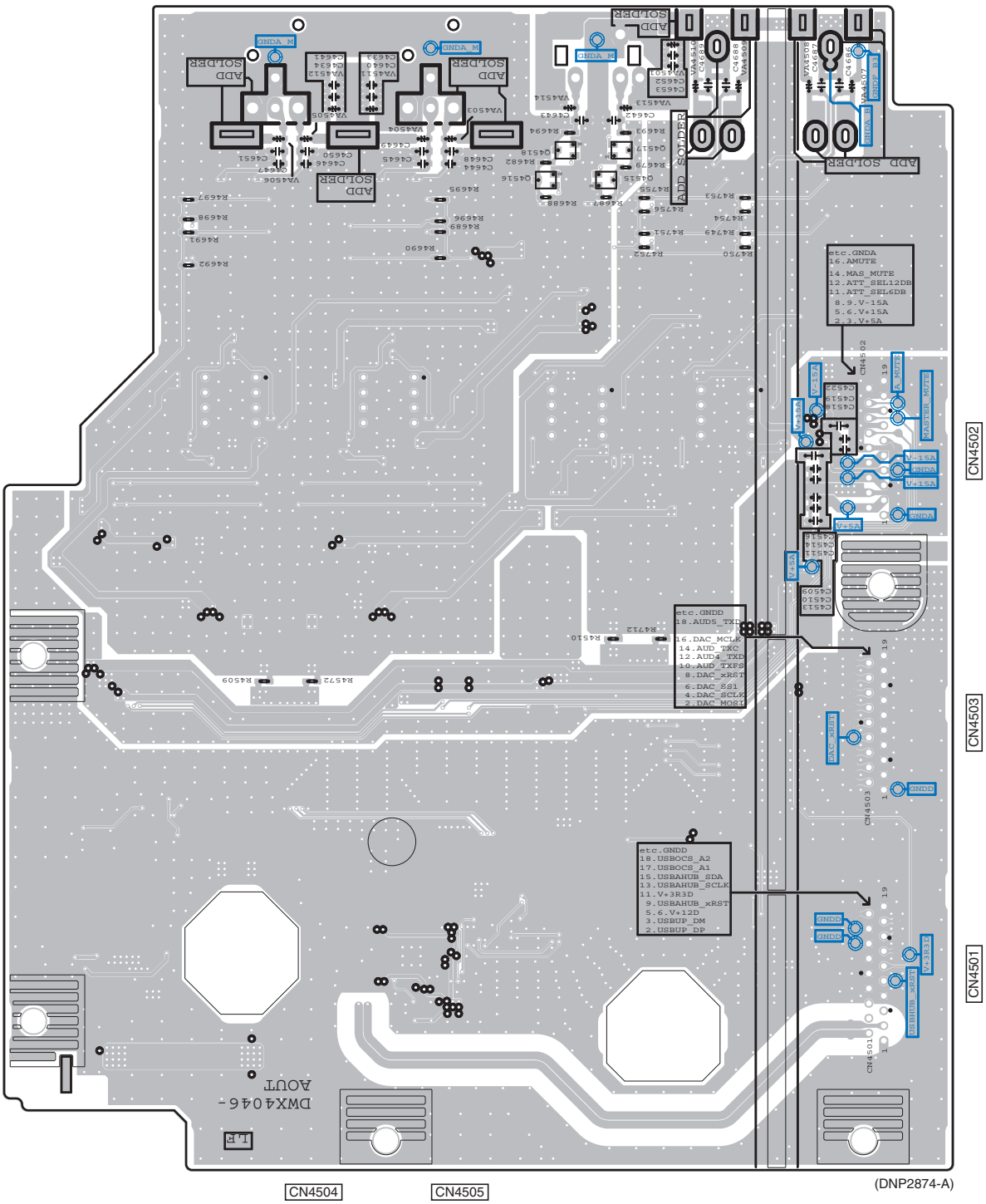


SIDE B

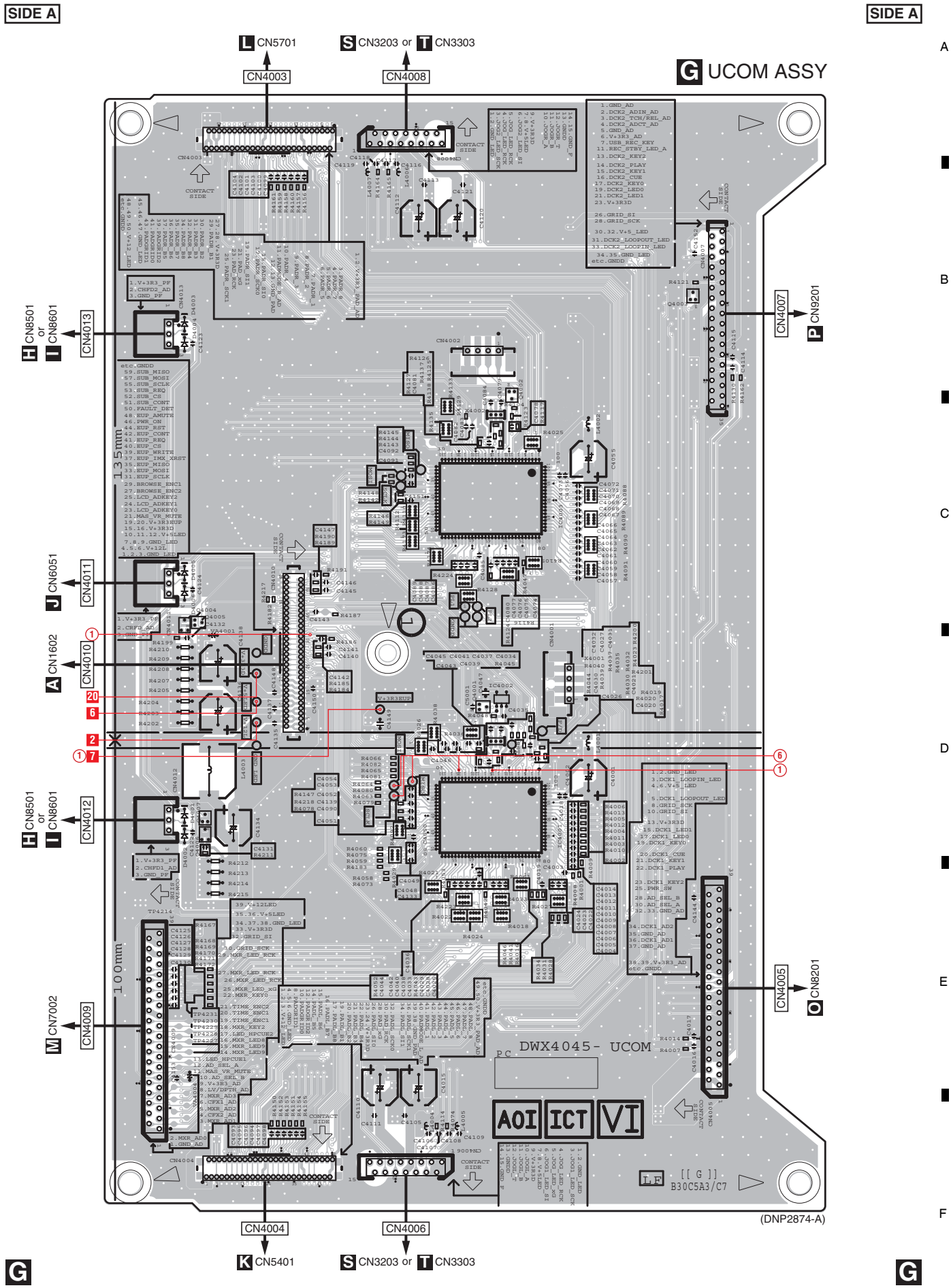
SIDE B

The blue character is silk for services.

F AOUT ASSY



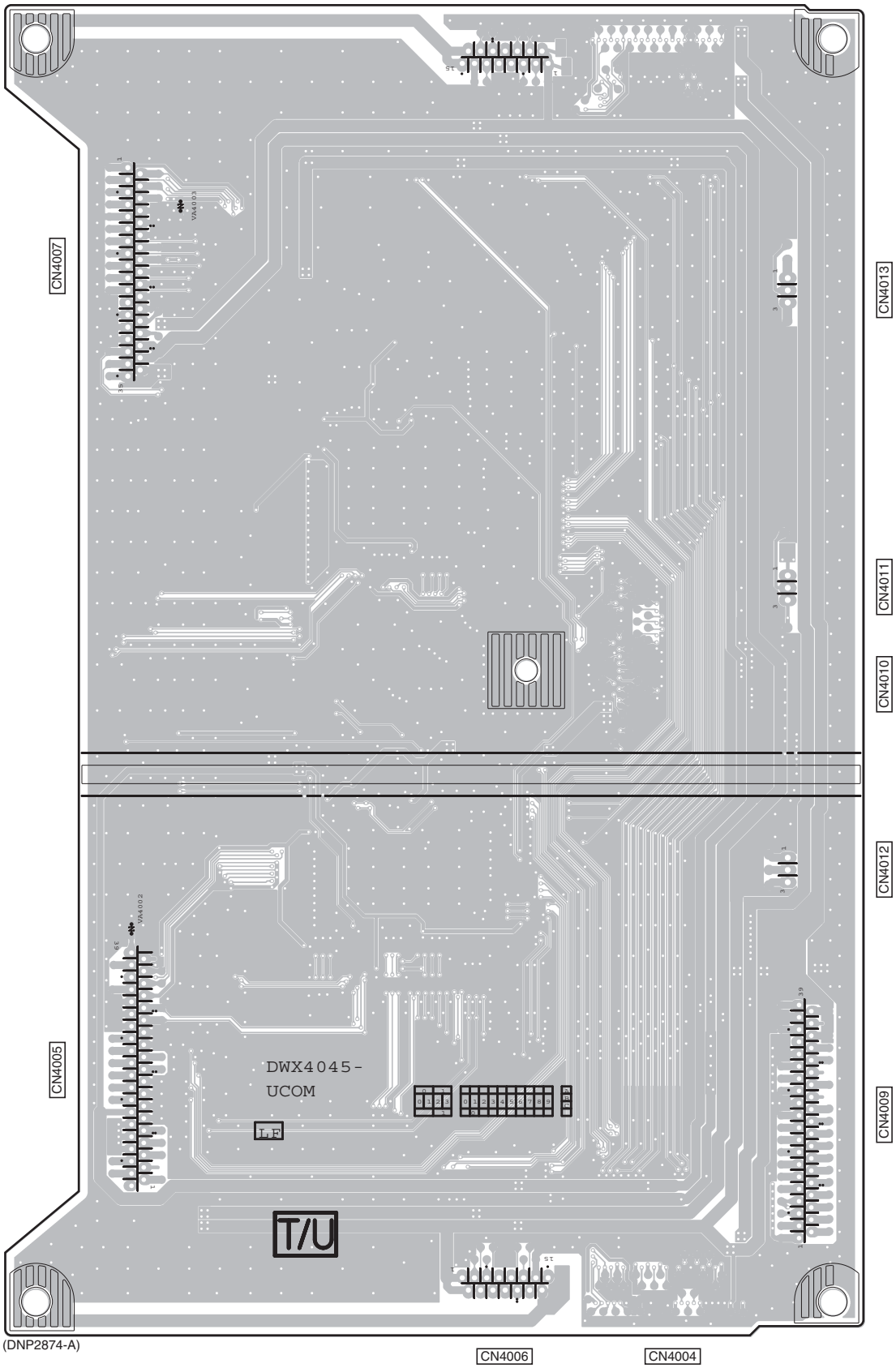
11.5 UCOM ASSY



SIDE B

SIDE B

G UCOM ASSY



(DNP2874-A)

G

G

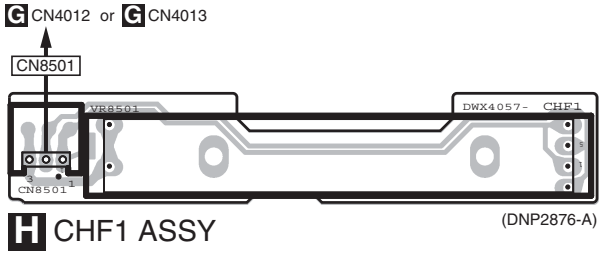
11.6 CHF1, CHF2 and CRFD ASSYS

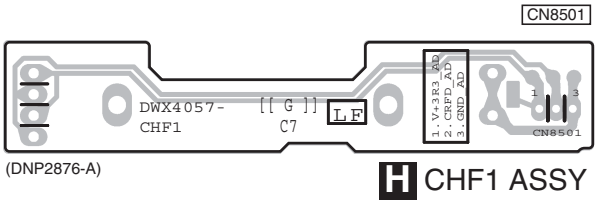
SIDE A

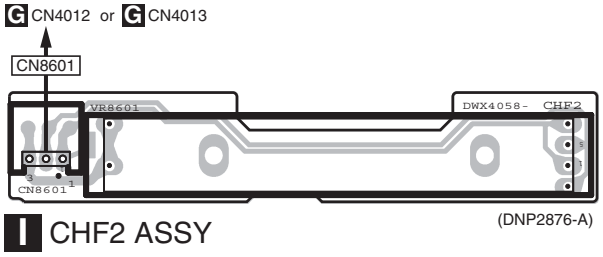
SIDE B

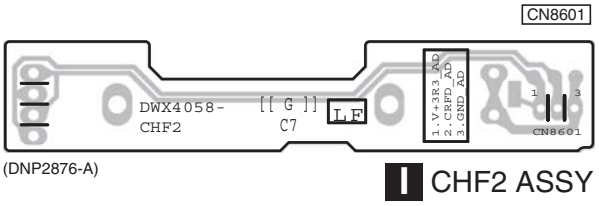
Note:
The 1 and 2 Assys of CHF Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

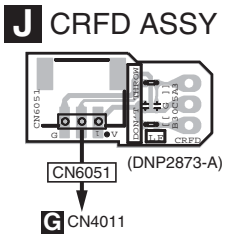
注意：
CHF の 1 と 2 は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 どちらかの ASSY が配置されています。

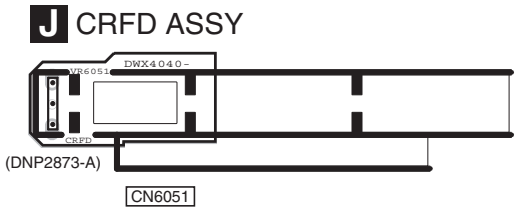












H I J

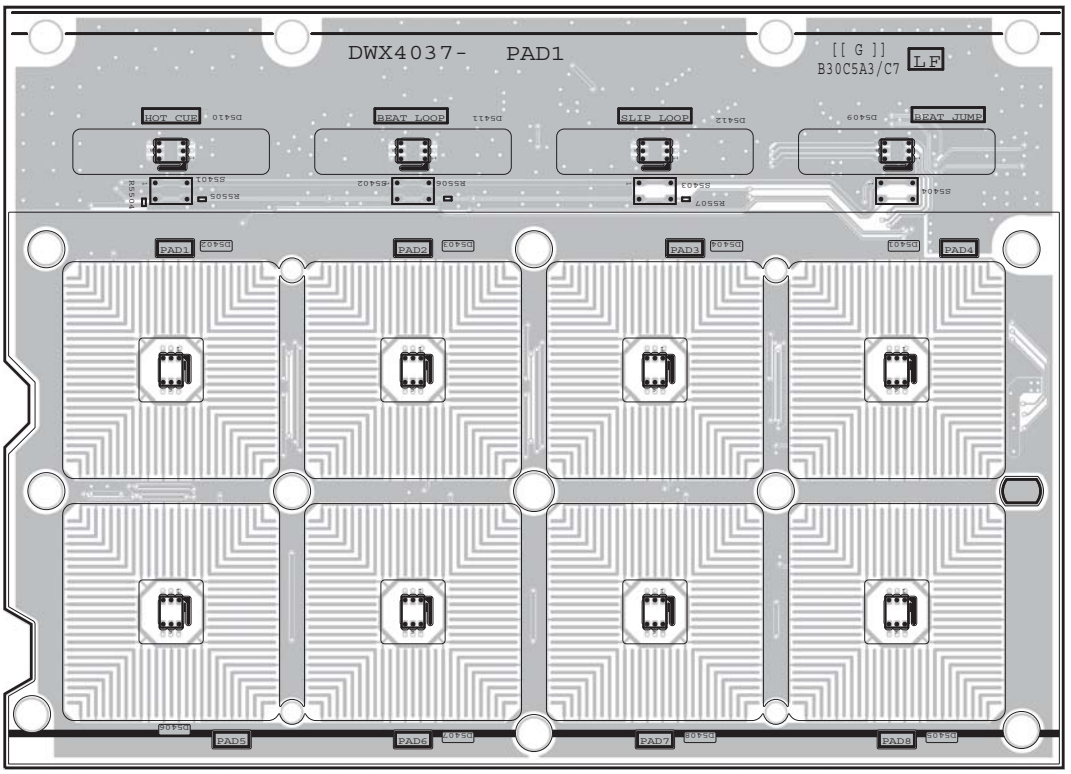
H I J

11.7 PAD1 ASSY

SIDE A

SIDE A

K PAD1 ASSY

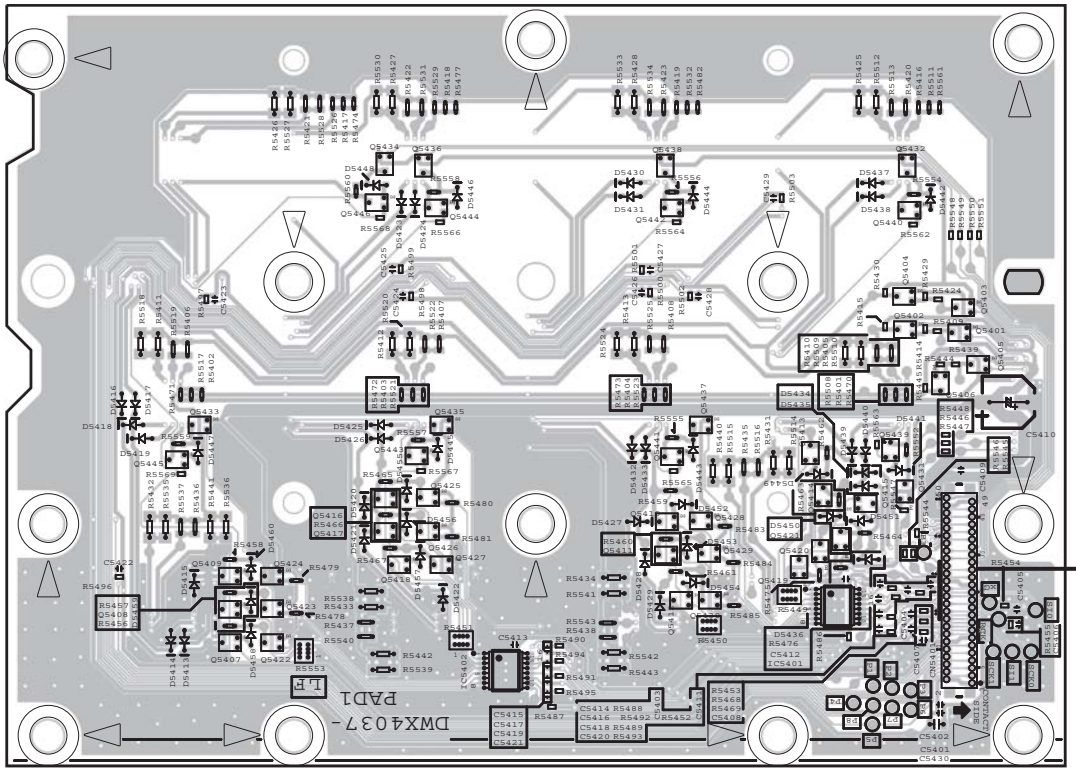


(DNP2873-A)

SIDE B

SIDE B

K PAD1 ASSY



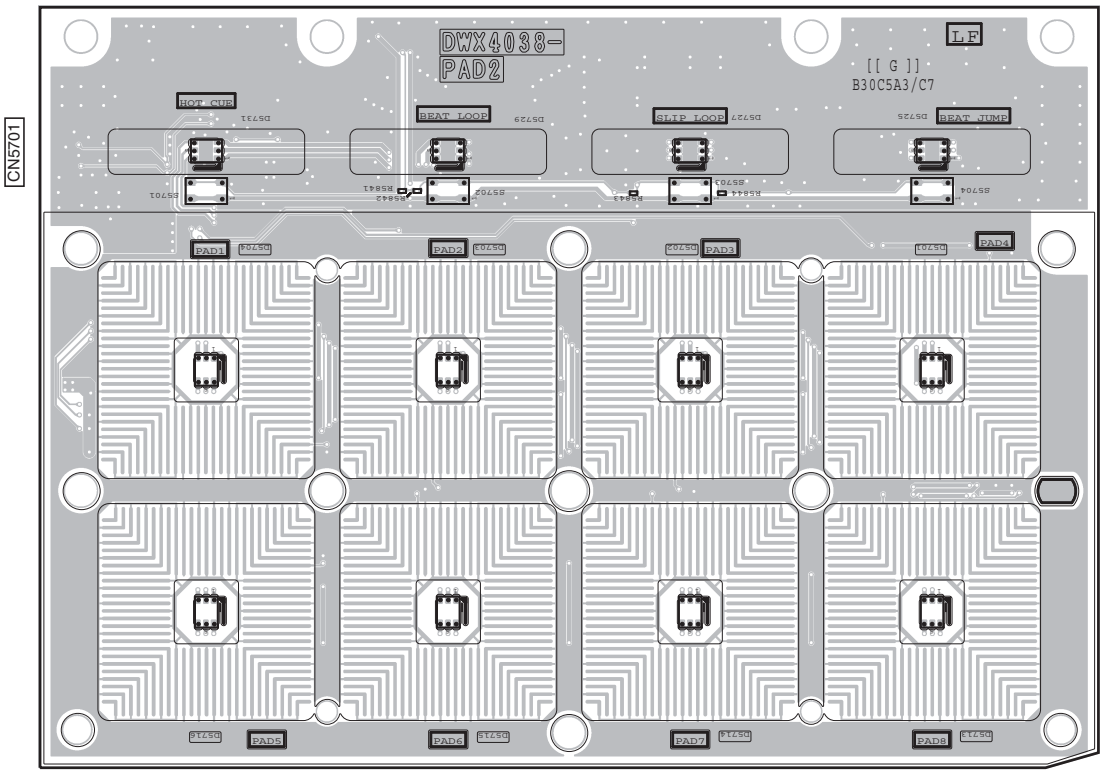
(DNP2873-A)

11.8 PAD2 ASSY

SIDE A

SIDE A

L PAD2 ASSY

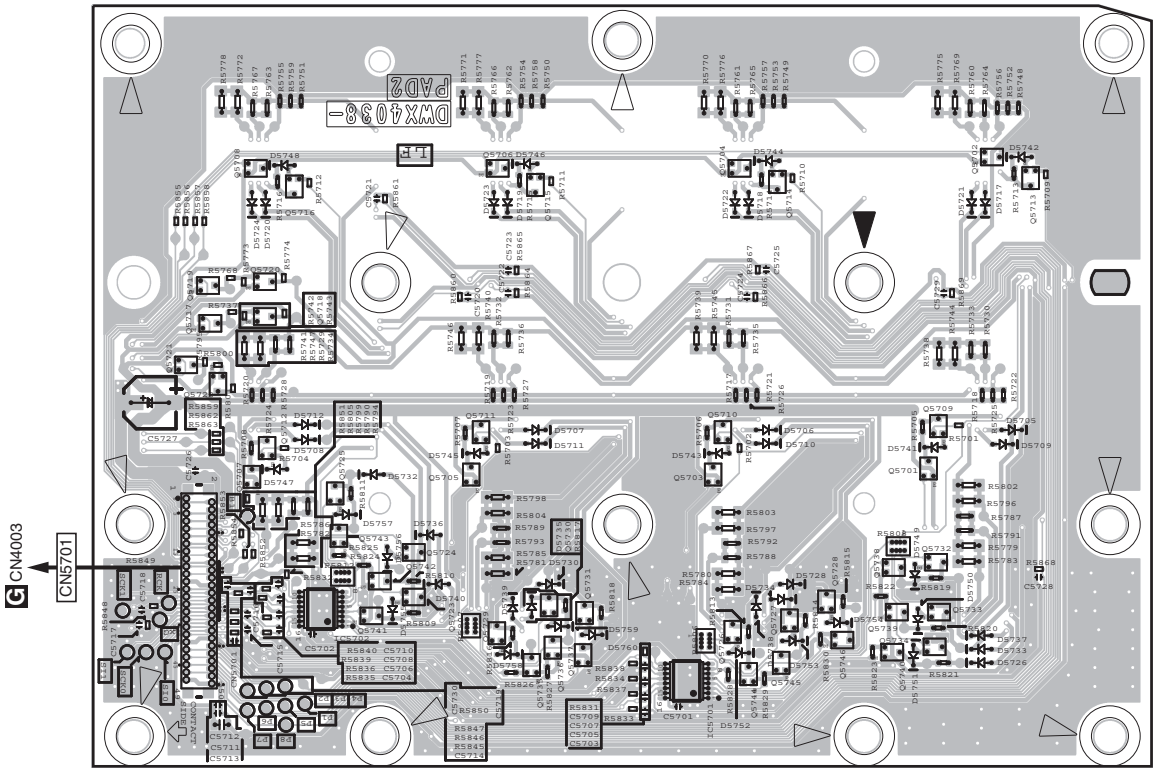


(DNP2873-A)

SIDE B

SIDE B

L PAD2 ASSY



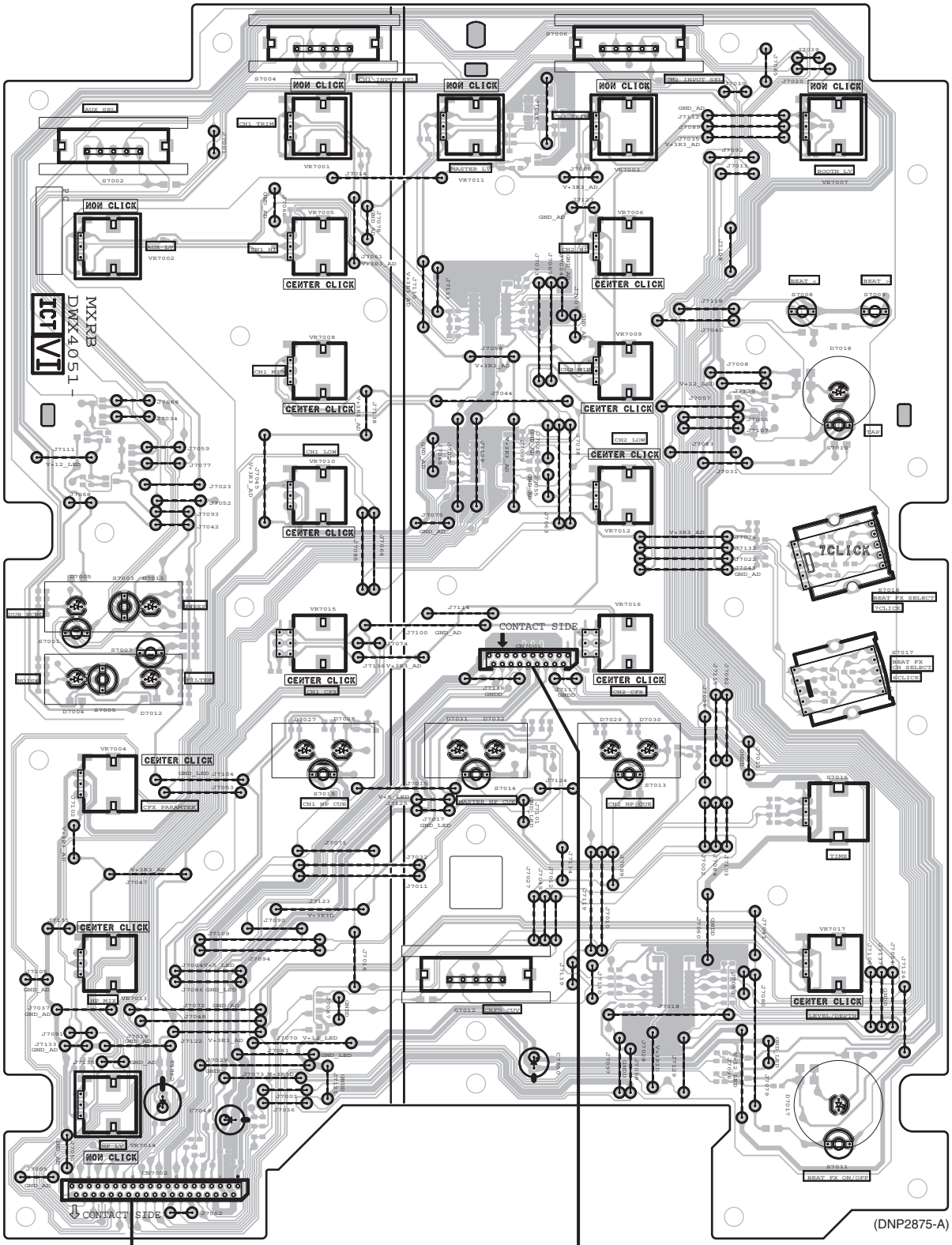
(DNP2873-A)

11.9 MXRB ASSY

SIDE A

SIDE A

M MXRB ASSY



CN7002

G CN4009

CN7001

N CN3401

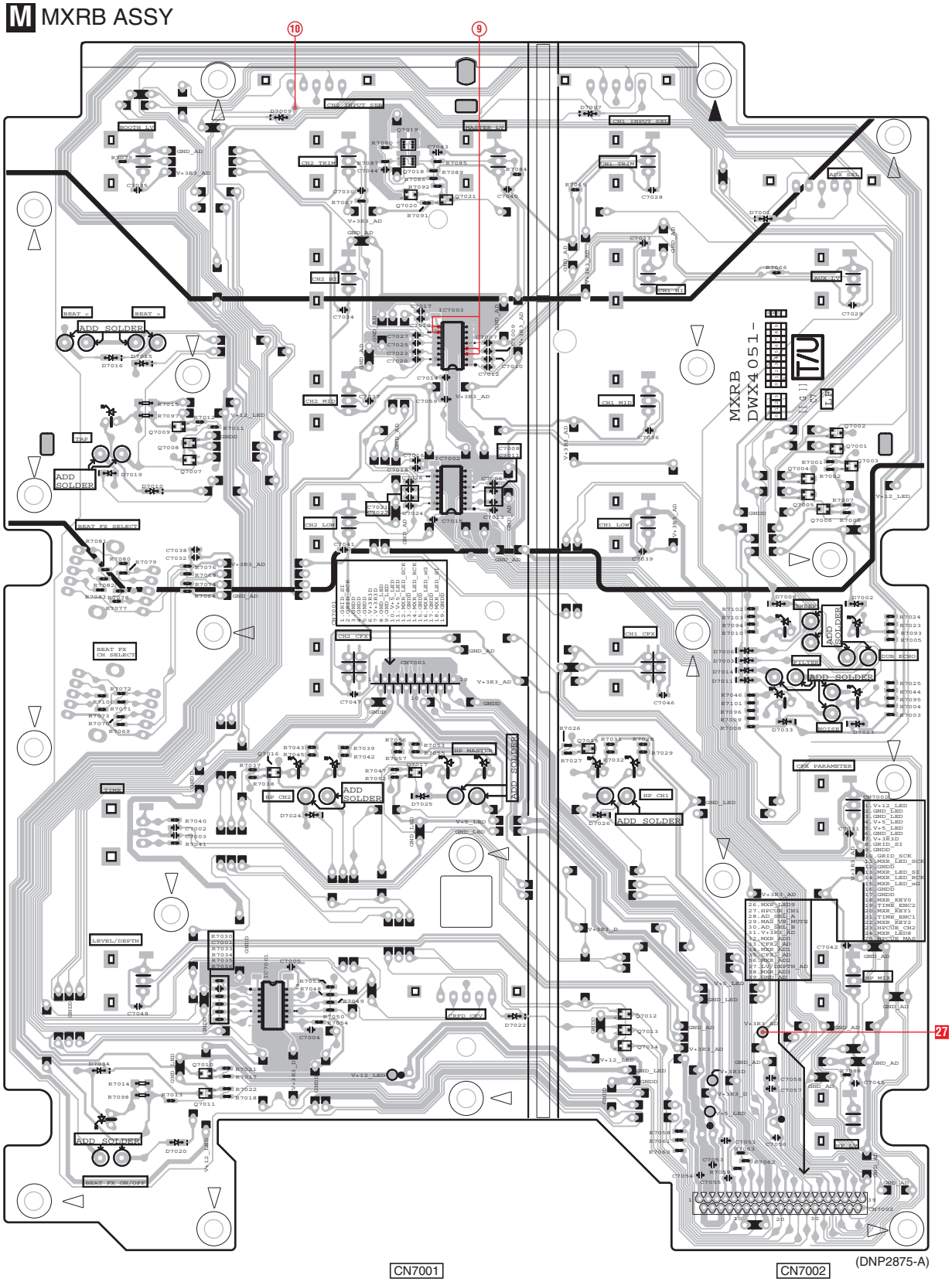
M

M

SIDE B

SIDE B

M MXRB ASSY

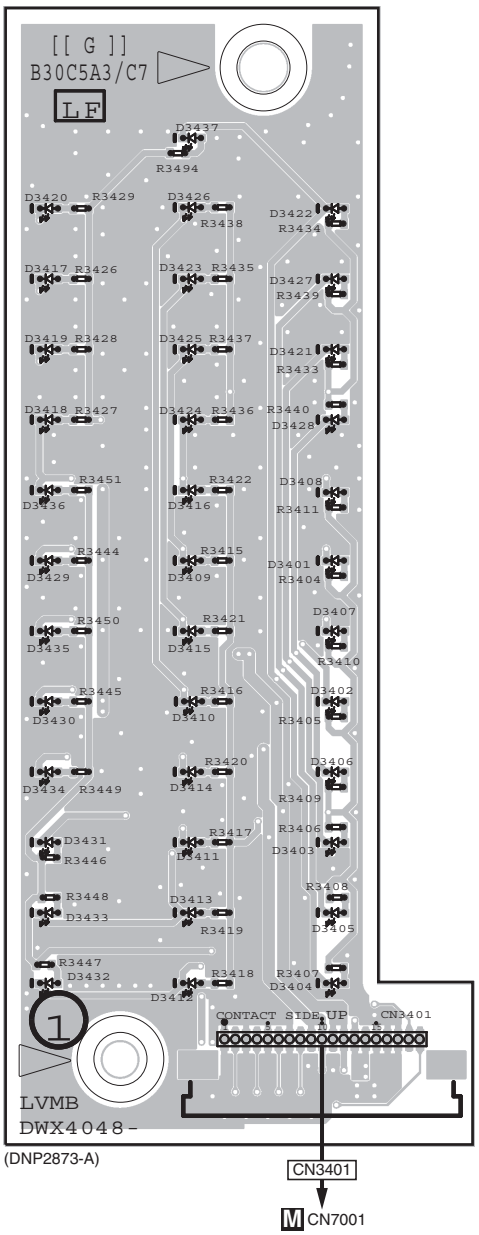


11.10 LVMB ASSY

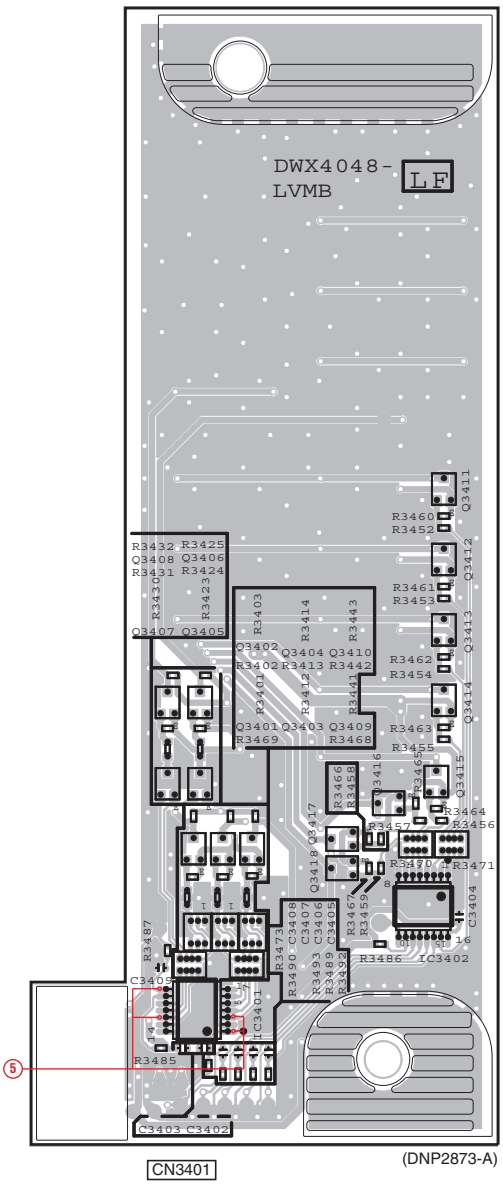
SIDE A

SIDE B

N LVMB ASSY



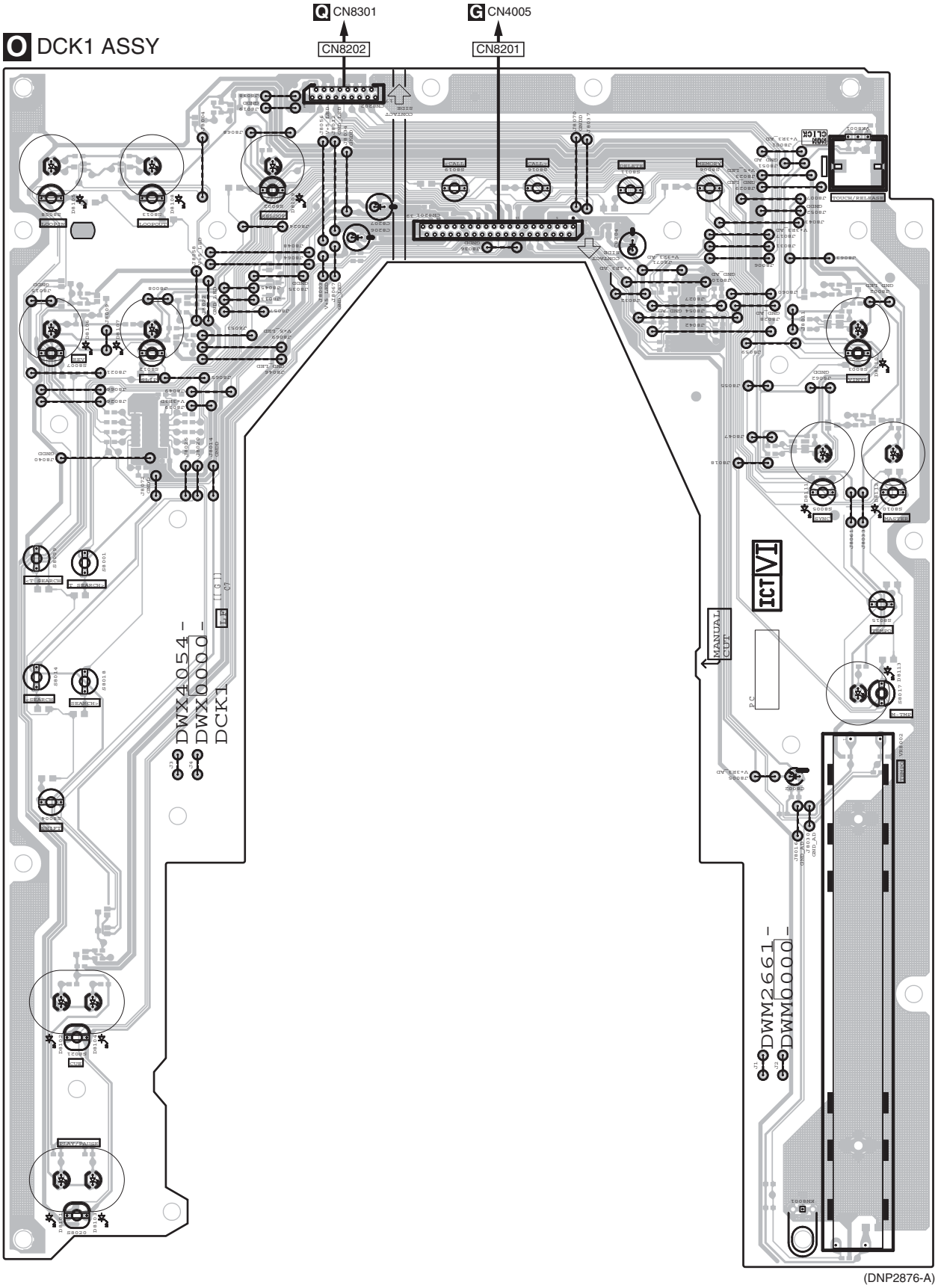
N LVMB ASSY



11.11 DCK1 ASSY

SIDE A

SIDE A



SIDE B

SIDE B

A

B

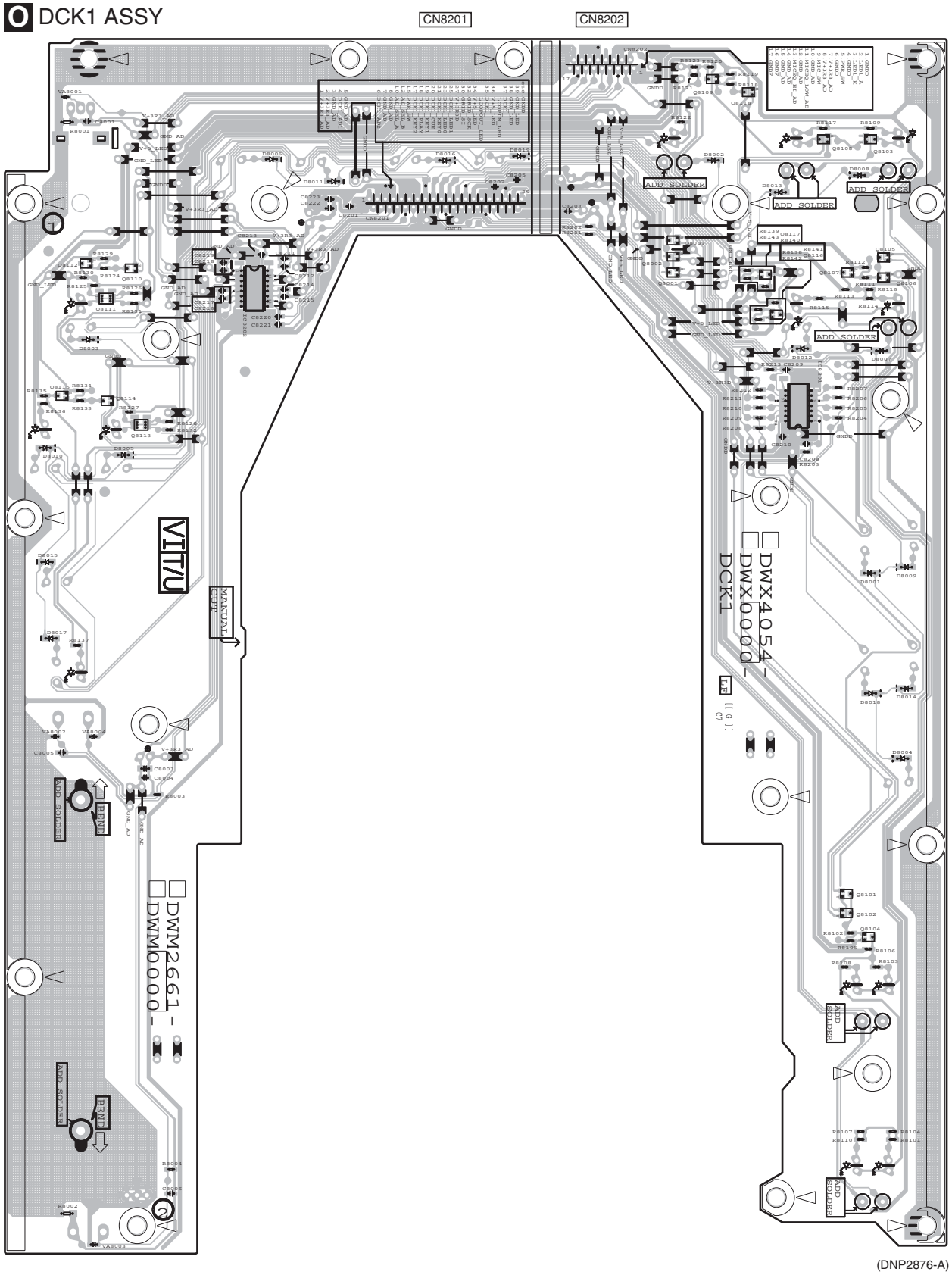
C

D

E

F

DCK1 ASSY

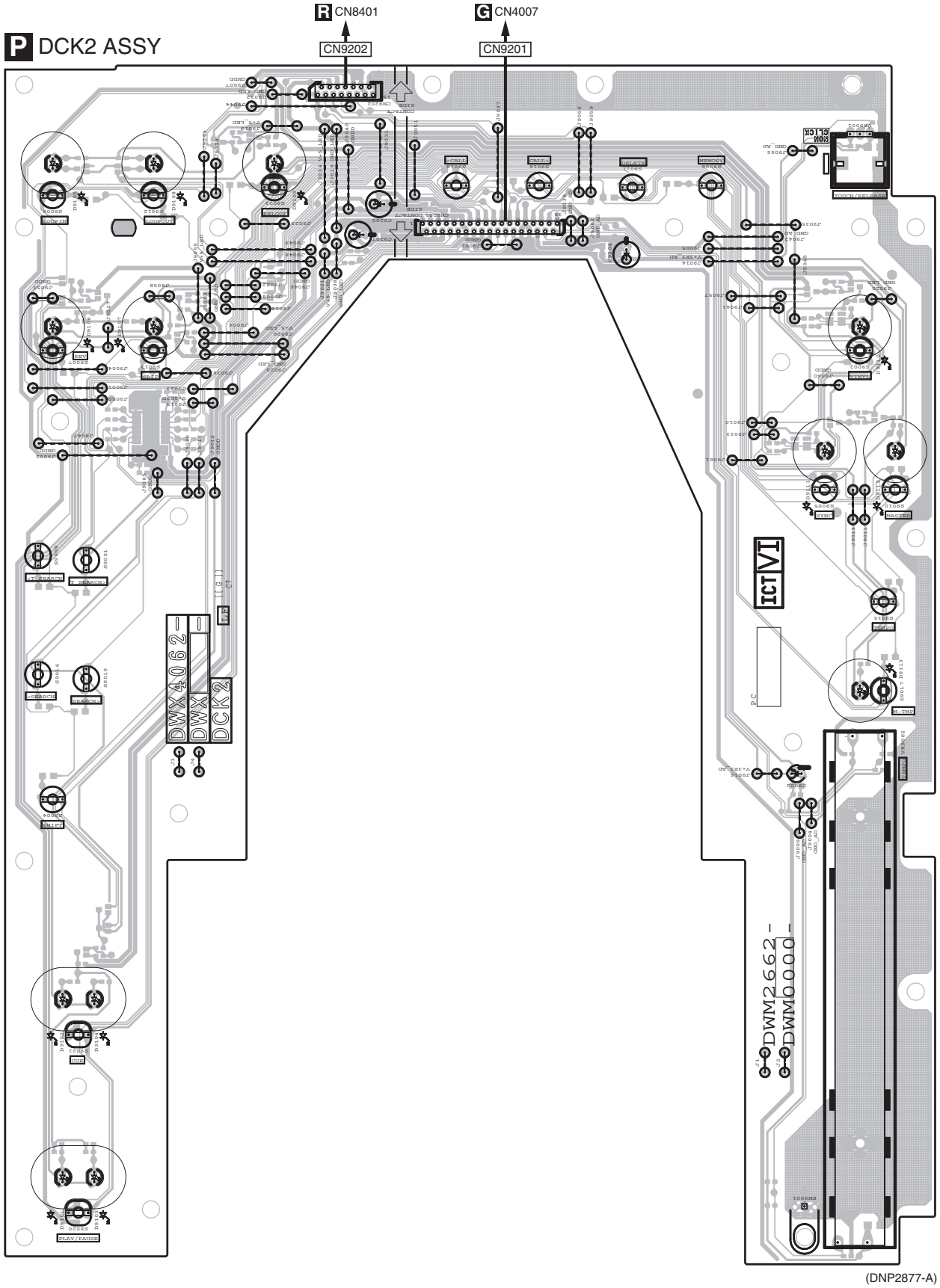


(DNP2876-A)

11.12 DCK2 ASSY

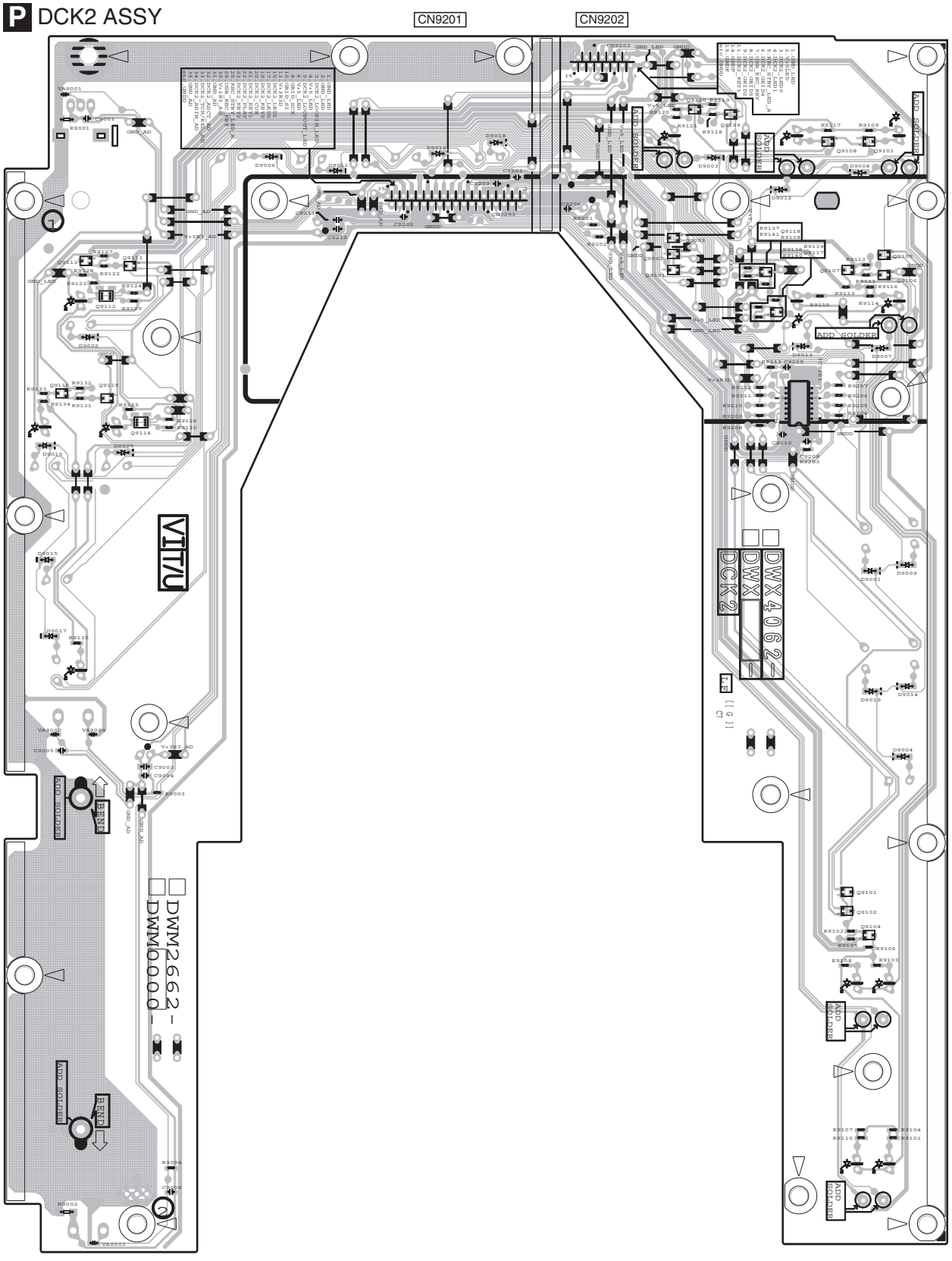
SIDE A

SIDE A



(DNP2877-A)

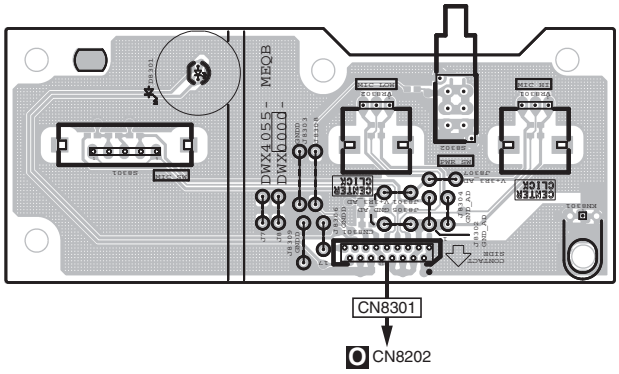
P DCK2 ASSY



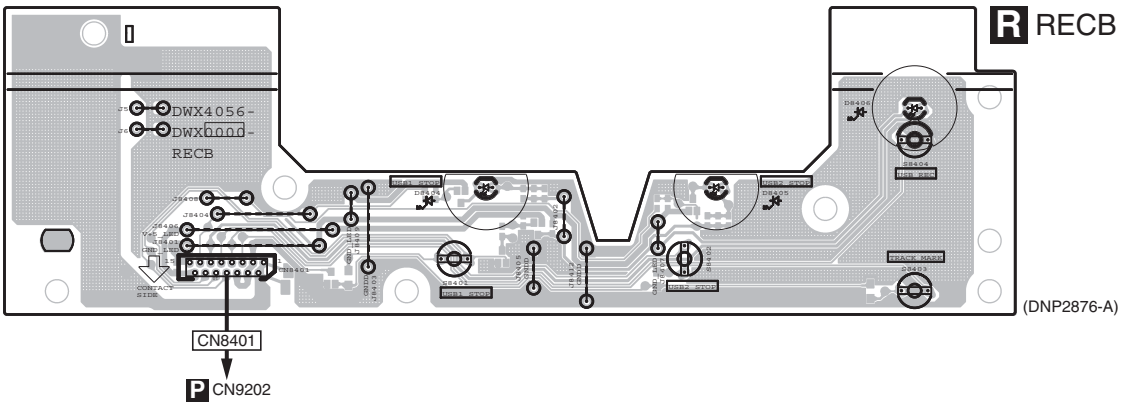
(DNP2877-A)

11.13 MEQB and RECB ASSYS

SIDE A

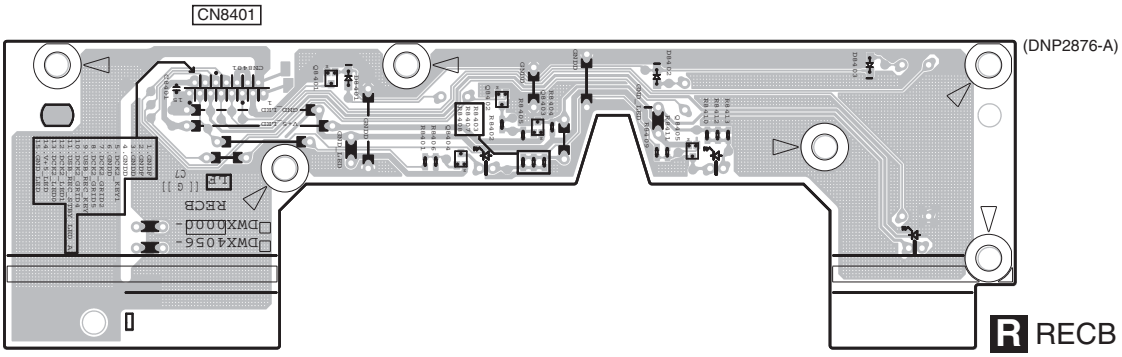


Q MEQB ASSY

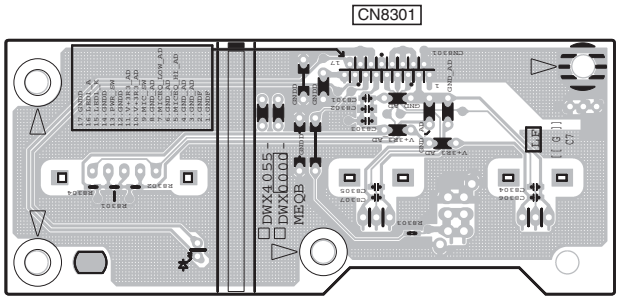


R RECB ASSY

SIDE B



R RECB ASSY



Q MEQB ASSY

Q R

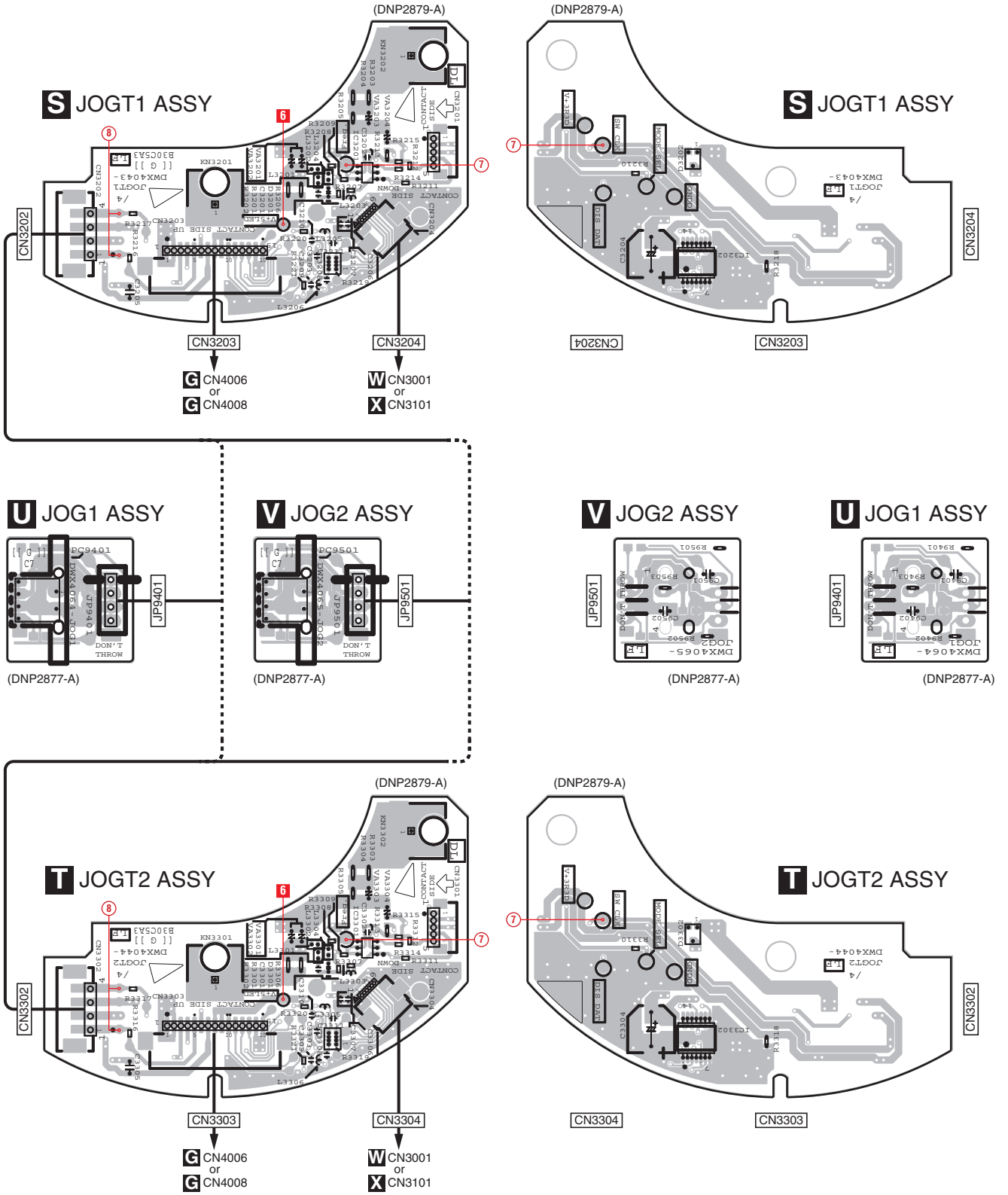
11.14 JOGT1, JOGT2, JOG1 and JOG2 ASSYS

SIDE A

SIDE B

Note:
The 1 and 2 Assys of JOG and JOGT Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

注意：
JOG、JOGT の 1 と 2 は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 どちらかの ASSY が配置されています。



S T U V

S T U V

11.15 JLED1 and JLED2 ASSYS

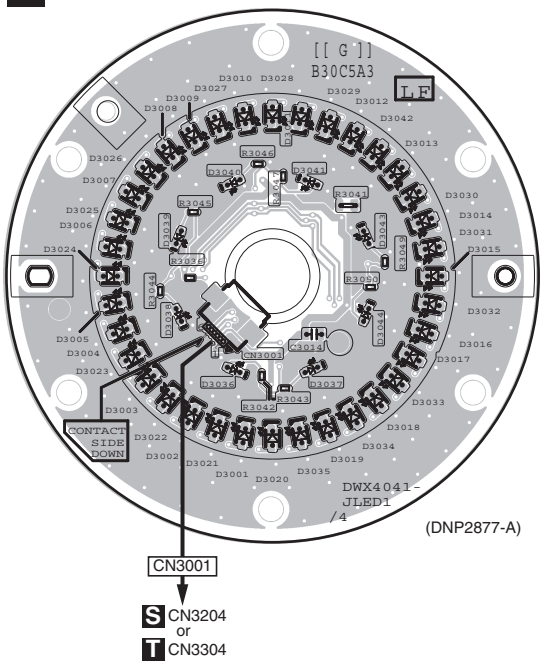
SIDE A

SIDE B

Note:
The 1 and 2 Assys of JLED Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

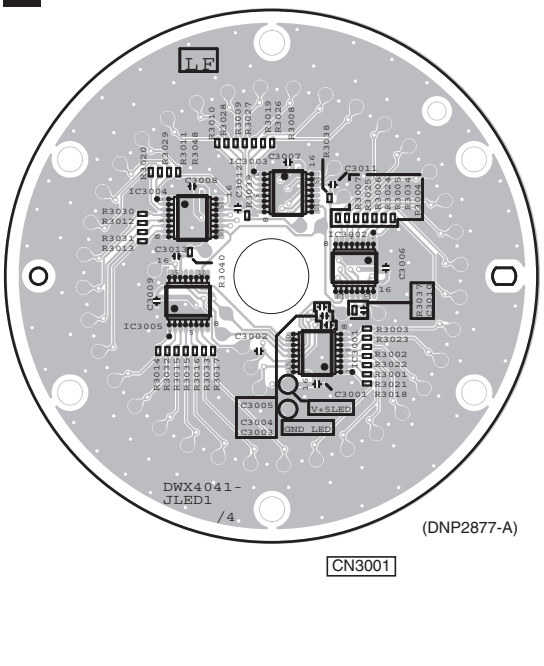
注意：
JLED の 1 と 2 は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 どちらかの ASSY が配置されています。

W JLED1 ASSY

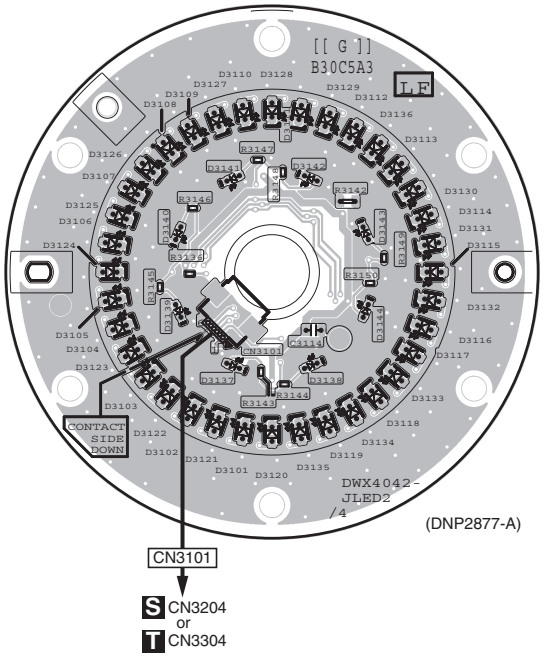


S CN3204
or
T CN3304

W JLED1 ASSY

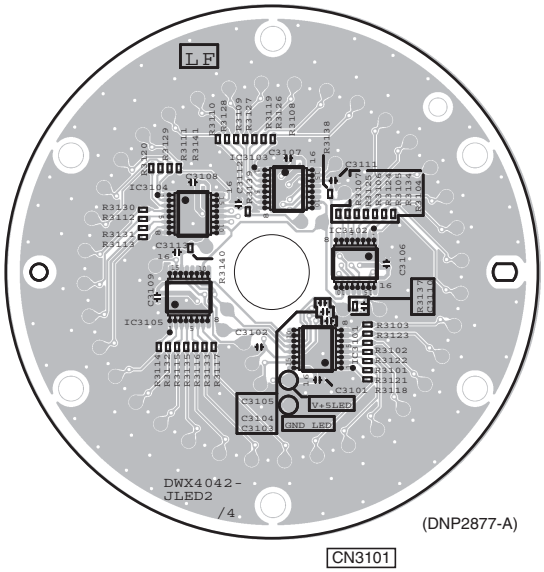


X JLED2 ASSY



S CN3204
or
T CN3304

X JLED2 ASSY

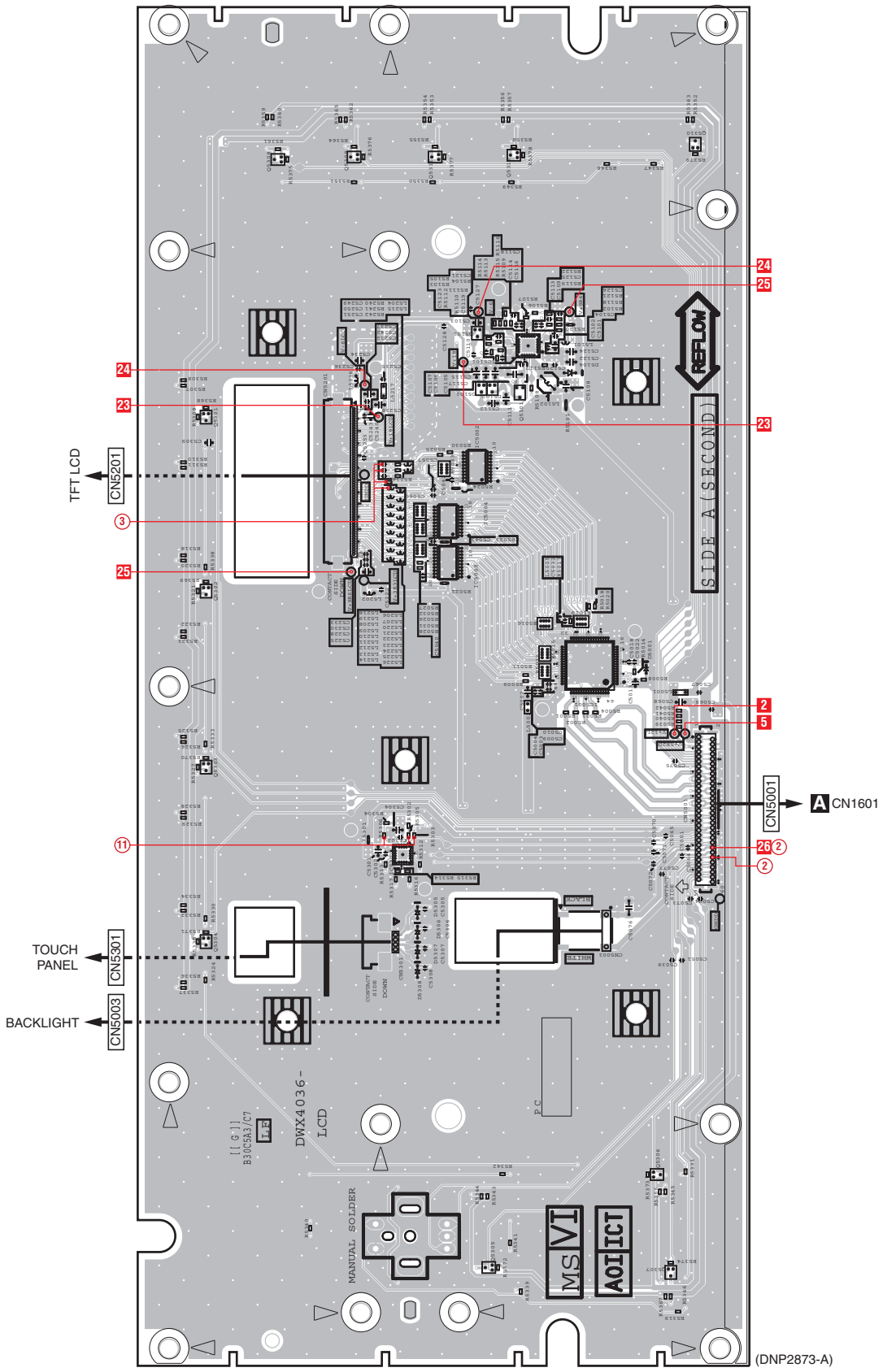


11.16 LCD ASSY

SIDE A

SIDE A

Y LCD ASSY



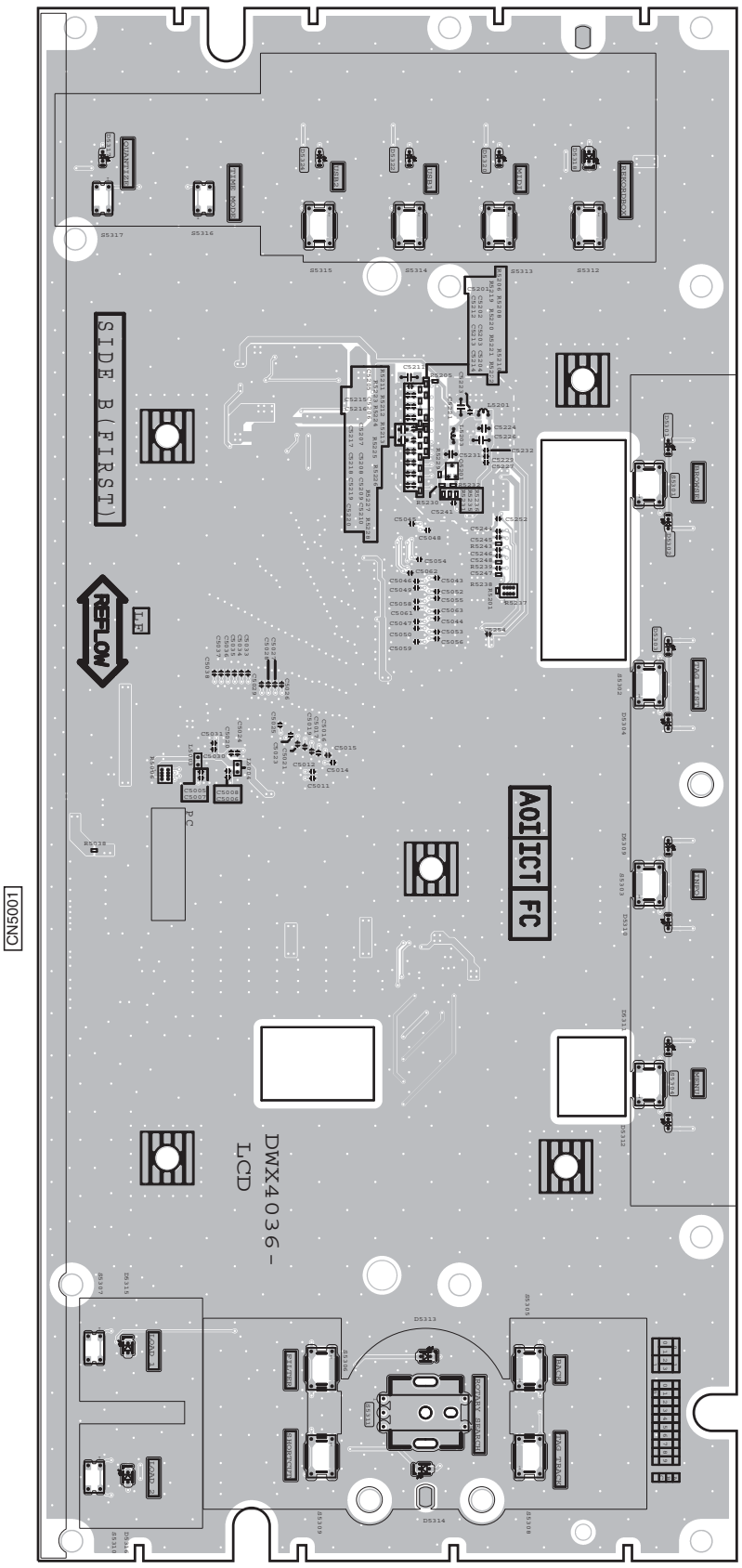
Y

Y

SIDE B

SIDE B

Y LCD ASSY



(DNP2873-A)

Y

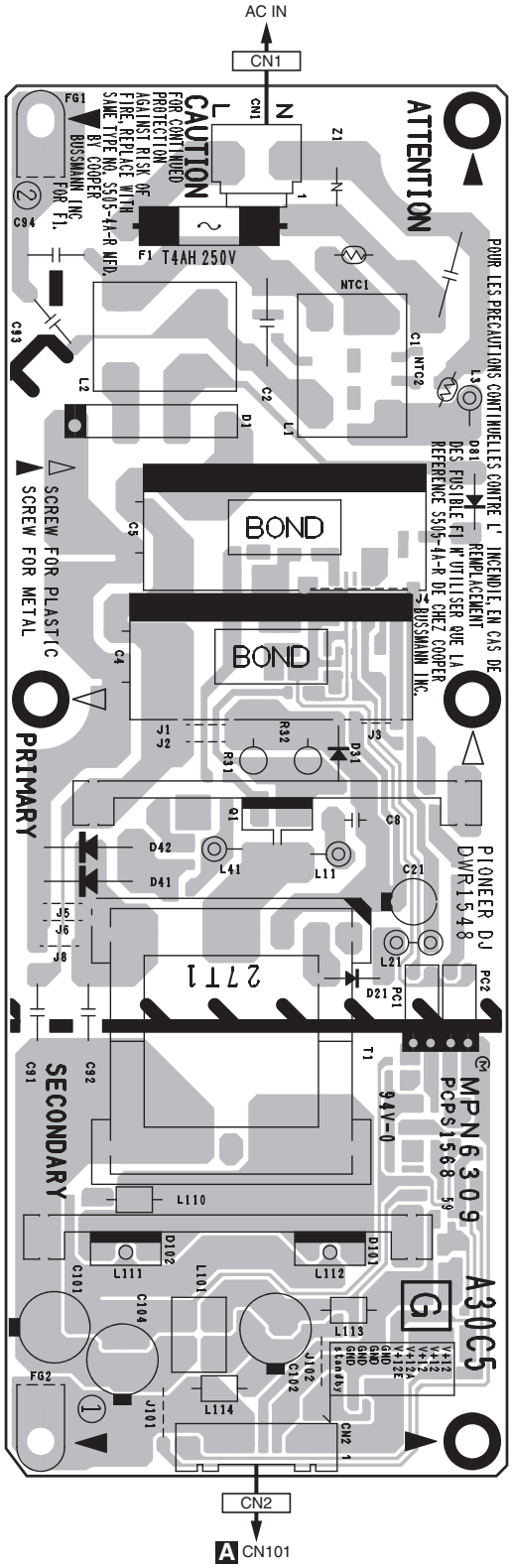
Y

11.17 SW POWER SPPLY

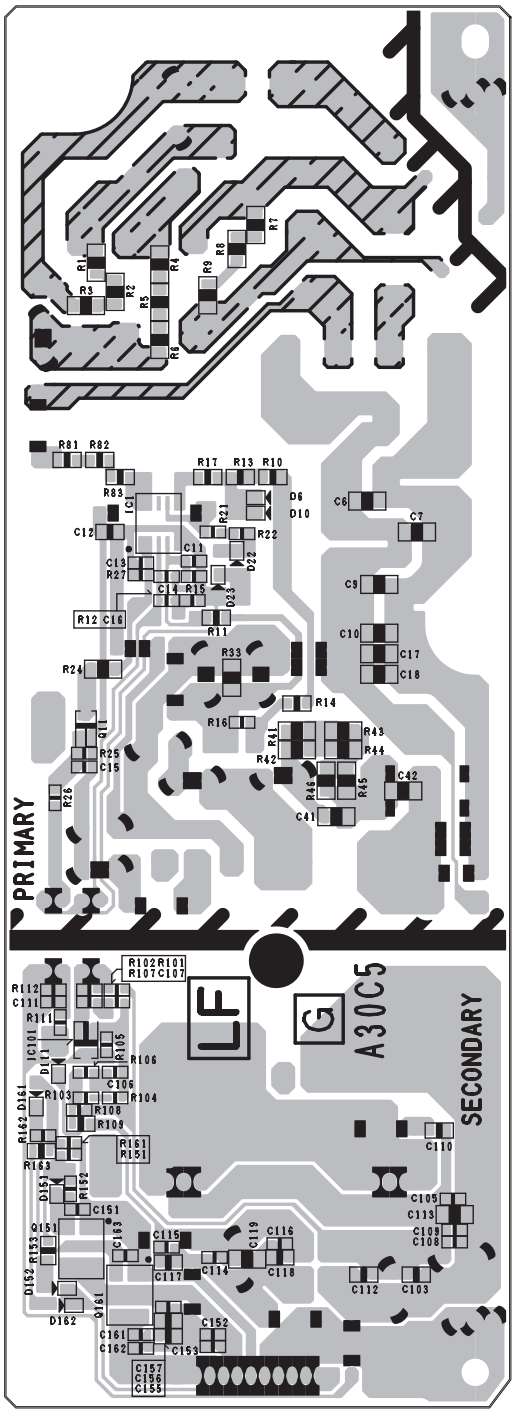
SIDE A

SIDE B

Z SW POWER SUPPLY



Z SW POWER SUPPLY



12. PCB PARTS LIST

NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
● *When ordering resistors, first convert resistance values into code form as shown in the following examples.*
Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω	→	*56 × 10^1*	→	*561* ····· *RD1/4PU 5 6 1 J*
47 kΩ	→	*47 × 10^3*	→	*473* ····· *RD1/4PU 4 7 3 J*
0.5 Ω	→	*R50*		····· *RN2H R 5 0 K*
1 Ω	→	*1R0*		····· *RS1P 1 R 0 K*

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 kΩ	→	*562 × 10^1*	→	*5621* ····· *RN1/4PC 5 6 2 1 F*

LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
	1	MAIN ASSY	DWX4035
NSP	1	PAD ASSY	DWM2657
	2	LCD ASSY	DWX4036
	2	PAD1 ASSY	DWX4037
	2	PAD2 ASSY	DWX4038
	2	USBA ASSY	DWX4039
	2	CRFD ASSY	DWX4040
	2	LVMB ASSY	DWX4048
NSP	1	JCK ASSY	DWM2658
	2	UCOM ASSY	DWX4045
	2	AOUT ASSY	DWX4046
	2	MCJK ASSY	DWX4047
NSP	1	JOG ASSY	DWM2659
	2	JLED1 ASSY	DWX4041
	2	JLED2 ASSY	DWX4042
	2	JOGT1 ASSY	DWX4043
	2	JOGT2 ASSY	DWX4044
NSP	1	MXR ASSY	DWM2660
	2	MXRB ASSY	DWX4051
	2	MTRM ASSY	DWX4052
	2	HPJK ASSY	DWX4053
NSP	1	PNL1 ASSY	DWM2661
	2	DCK1 ASSY	DWX4054
	2	MEQB ASSY	DWX4055
	2	RECB ASSY	DWX4056
	2	CHF1 ASSY	DWX4057
	2	CHF2 ASSY	DWX4058
NSP	1	PNL2 ASSY	DWM2662
	2	DCK2 ASSY	DWX4062
	2	JOG1 ASSY	DWX4064
	2	JOG2 ASSY	DWX4065
	2	DKHD ASSY	DWX4066
	2	HPHD ASSY	DWX4067
	2	HMHD ASSY	DWX4068
⚠	1	SW POWER SUPPLY	DWR1548

A MAIN ASSY

SEMICONDUCTORS

Mark	No.	Description	Part No.
⚠	IC	101,102,502	BD9328EFJ
⚠	IC	301,302	NJM2886DL3-05
⚠	IC	303	BD81A04EFV-M
	IC	304	74VHC4066AFT
⚠	IC	305,306	BD9851EFV
⚠	IC	501	MMPF0100F0AEP
	IC	701	MCIMX6D6AVT10AD
	IC	702,703	H5TQ2G63GFR-RDC
NSP	IC	901	DYW2021*
	*Part number of the initial firmware equipped		
	IC	902	H337S3959
	IC	1001,1002,1402	TC7SH08FUS2
	IC	1401	TC7SZU04FUS2
	IC	1403	74LCX08FT
	IC	1901	AK4384ET
	IC	1902	NJM4565MD
	IC	2101,2301	NJM4580MD
	IC	2102,2103,2302,2303	NJM2121MD
	IC	2104,2304,2501,2503	AK5358AET
	IC	2502,2504	NJM2121MD
	IC	2701	RTL8201F-VB-CG
NSP	IC	2702	RTL8152B-VB-CG
	IC	2703	USB2512B-AEZG-TR
	Q	101	LTC024EEB
	Q	102-106,108,110	LSAR523UB
	Q	107,109	LSC4081UB
	Q	111	LTC124EUB
	Q	112,303,1908,1910	LSAR523UB
	Q	301	LTC043EEB
	Q	302,305	RTQ045N03
	Q	304	RSR020P05
	Q	306,307	RSQ030P03
	Q	1201,1911	RT3N22M
	Q	1401	LTC014EEB
	Q	1901,1913	2SK209
	Q	1902,1904	2SCR573DG
	Q	1903,1905	2SAR573DG
	Q	1906,1914,1916,1917	INC2002AC1
	Q	1907,1909,1915	LSCR523UB
	Q	1912	HN1A01FUS1
	Q	1918,2701	RT3T22M
	Q	2101,2102,2301,2302	2SK3320
	Q	2103,2303,2501	LTC114EUB

Mark	No.	Description	Part No.
	D	101,102,104-109	1SS355VM
	D	110,308,309	RB551VM-30
	D	303,304	RB060M-30
	D	305-307	DB2J41100
	D	1901-1904,1907	1SS355VM
	D	1905	RB160M-30
	D	1908	DZ2J056M0
	D	2701	DZ2J062M0

MISCELLANEOUS

	L	101,304	SMD SPL INDUCTOR(33 uH) CTH1527
	L	103	INDUCTOR(15 uH) CTH1253
	L	305,306,309	POWER INDUCTOR(22 uH) ATH7011
	L	310	POWER INDUCTOR(22 uH) ATH7011
	L	501-504	SMD SPL INDUCTOR(1 uH) CTH1530
	L	505	SMD SPL INDUCTOR(10 uH) CTH1524
	L	901	CHIP SOLID INDUCTOR XTL3010
	L	2703	COIL ATH7015
	F	2701	EMI FILTER DTL1106
	F	2702-2704	EMI FILTER CCG1352
	JA	2101,2301	4P PIN JACK DKB1090
	JA	2501	RCA JACK DKB1122
	JA	2701	USB CONNECTOR DKN1237
	KN	2701	SCREW PLATE VNE1948
	X	1401	RESONATOR(32.768 kHz) CSS1807
	X	1402	CRYSTAL OSCILLATOR(22.5792 MHz) DSS1215
	X	1403	CRYSTAL TRANSDUCER(24 MHz) DSS1208
	X	2701,2703	CRYSTAL(25 MHz) DSS1205
	X	2702	RESONATOR(24.000 MHz) CSS1773
	CN	101	CONNECTOR DKN1661
	CN	1601,1602	FFC/FPC CONNECTOR CKS6543
	CN	1603	9P CONNECTOR 09R-1.25FJ
	CN	1604-1606	19P RECEPTACLE AKP7199
	CN	1901	CONNECTOR AKM1275
	VA	2101,2102,2301,2302	VARISTORS EZJZ1V270RM
	VA	2501	VARISTORS EZJZ1V270RM
	VA	2701,2702	SMD VARISTOR EZJZ1V80010

RESISTORS

	R	102,110,349	RS1/10SR220J
	R	104	RS1/16SS2702D
	R	105,111,338,342	RS1/16SS1002D
	R	112,323,327,2112	RS1/16SS4702D
	R	113,1930,1931,1941	RS1/16SS1801D
	R	124	RS1/10SR223J
	R	131,139	RS1/16SS2201D
	R	136	RS1/16SS2701D
	R	140	RS1/16SS2200D
	R	141,346,361,523	RS1/16SS1502D
	R	303,389,390,707	RS1/10SR0R0J
	R	312	RS1/16SS5100F
	R	314,315,317,319	RS1/4SA2R7J
	R	320,324,332,356	RS1/16SS1203D
	R	321	RS1/16SS1303D
	R	322	RS1/16SS3902D
	R	325,1218-1221,2701	RAB4CQ472J
	R	326	RS1/16SS3302D
	R	328	RS1/16SS1003D
	R	333	RS1/16SS1602D
	R	334,335	RS1/10SR152J
	R	336	RS1/10SR132J
	R	339,374	RS1/16SS3002D
	R	340,364,377	RS1/16SS6802D
	R	341	RS1/16SS1503D
	R	343	RS1/16SS5101D
	R	352	RS1/16SS6201D
	R	353	RS1/10SR6802D
	R	354,362,370,379	RS1/16SS1002D
	R	357	RS1/10SR5101D
	R	358	RS1/16SS2002D
	R	359,360	RS1/4SA0R0J
	R	363	RS1/10SR3002D
	R	365	RS1/16SS5102D
	R	366	RS1/16SS5601D
	R	372	RS1/16SS4701D
	R	373	RS1/10SR100J
	R	380	RS1/16SS6202D
	R	383,2103,2107,2303	RS1/16SS3001D
	R	507	RS1/16SS1002F
	R	515	RAB4CQ104J
	R	524	RS1/16SS1502D
	R	525	RS1/16SS8201D
	R	526	RS1/10SR561J
	R	708,718,721	RS1/16SS2400F
	R	716,717,1934,1935	RS1/16SS1001D
	R	901,908,913	RAB4CQ680J
	R	902,909,1015,1034	RAB4CQ470J
	R	916	RAB4CQ222J
	R	924,925,2704	RAB4CQ220J
	R	1035,1041	RAB4CQ470J
	R	1201,1204,1206,1211	RAB4CQ103J
	R	1209	RAB4CQ331J
	R	1222,1223,2122,2326	RAB4CQ103J
	R	1902,1903,1918	RS1/4SA220J
	R	1905,1917,1929,1936	RN1/16SE3301D
	R	1909,1910	RS1/16SS3901D
	R	1911,1912	RS1/16SS3301D
	R	1913,1915	RN1/16SE1502D
	R	1914,1916	RS1/16SS3300D
	R	1924,1928	RS1/8SQ680J
	R	1925-1927,1937,1940	RS1/4SA220J
	R	1942	RS1/16SS1801D
	R	1943,1945,2132,2133	RS1/16SS1001D
	R	2101,2102,2117,2119	RN1/16SE1201D
	R	2104,2108,2304,2312	RN1/16SE2701D
	R	2105,2106,2140,2141	RS1/16SS1000D
	R	2109,2110,2142,2143	RS1/16SS2000D
	R	2113,2144,2145,2316	RS1/16SS4702D
	R	2116,2118,2120,2121	RN1/16SE1501D
	R	2128,2328,2509,2520	RS1/10SR0R0J
	R	2136,2137,2336,2337	RN1/16SE2703D
	R	2138,2139,2338,2339	RN1/16SE2202D
	R	2150,2152,2350,2352	RS1/16SS3601D
	R	2151,2153,2351,2353	RS1/16SS8200D
	R	2301,2302,2321,2323	RN1/16SE1201D
	R	2305,2306,2340,2341	RS1/16SS1000D
	R	2307,2501,2515,2517	RS1/16SS3001D
	R	2313,2314,2342,2343	RS1/16SS2000D
	R	2317,2344,2345,2534	RS1/16SS4702D

Mark	No.	Description	Part No.
	R	2320,2322,2324,2325	RN1/16SE1501D
	R	2332,2333	RS1/16SS1001D
	R	2502,2528	RN1/16SE2701D
	R	2506,2544	RAB4CQ103J
	R	2511,2512,2523,2529	RS1/16SS3601D
	R	2513,2514,2530,2531	RS1/16SS8200D
	R	2516,2518	RN1/16SE8201D
	R	2527	RS1/16SS3001D
	R	2532,2535	RS1/16SS1000D
	R	2533,2536	RS1/16SS2000D
	R	2537	RS1/16SS4702D
	R	2703	RAB4CQ472J
	R	2706	RS1/16SS2491F
	R	2725	RS1/10SR0R0J
	R	2733	RS1/16SS91R0F
	R	2734	RS1/16SS2401D
	R	2740	RS1/16SS1202D
	R	2751	RAB4CQ473J
	Other Resistors		RS1/16SS###J

CAPACITORS

	C	101,151,152,154	CKSSYB104K10
	C	102,107,133,144	CKSSYB103K16
	C	103,108,117,2105	CCSSCH101J50
	C	104,109,125,128	CKSSYB104K16
	C	105,110,118,129	CCSSCH102J50
	C	112,120,393,397(0.1 uF/35 V)	ACE7100
	C	113,114,127,138(10 uF/16 V)	DCH1263
	C	115,1609	CEHVAW101M16
	C	116,149,325,2132(100 uF/16 V)	CCH1565
	C	119	ACE7115
	C	121,400,402(0.01 uF/63 V)	ACE7097
	C	123,395,399(1 uF 25 V)	ACE7129
	C	124,384,387,1917(220 uF/16 V)	CCH2090
	C	130,131,140,142	CKSSYB104K16
	C	132,146,378,382(10 uF/10 V)	DCH1201
	C	137	CEVW330M10
	C	139,162,301,305(10 uF/16 V)	DCH1263
	C	141,147,307,354	CCSSCH102J50
	C	143,150,161,552	CKSSYB104K16
	C	145,905	CKSSYB222K50
	C	153,156,348,351	CKSRYB104K25
	C	155,157-160,313	CKSSYB104K10
	C	304,308(2.2 uF/10V)	CCG1218
	C	309,320-323,336(10 uF/16 V)	DCH1263
	C	310,508,702-709	CKSSYB224K6R3
	C	315,328,357,564	CKSSYB103K16
	C	316	CCSQCH472J50
	C	317,318	CKSQYB225K16
	C	319,377,380,506	CKSSYB104K10
	C	324(0.01 uF/50 V)	ACE7113
	C	330,350	CCSSCH271J50
	C	332	CKSSYB332K50
	C	335,340(22 uF/16 V)	CCG1254
	C	337,366	CCSSCH561J50
	C	338,343,367,372	CKSRYB105K10
	C	339,364,369,551(10 uF/16 V)	DCH1263
	C	341,342,370,371	CKSQYB105K16
	C	346,376,556	CKSSYB682K25
	C	349,353(10 uF/35 V)	CCG1236
	C	356,383,386,565	CCSSCH102J50

Mark	No.	Description	Part No.
	C	360	CKSSYB472K50
	C	381,385,504,507	CKSRYB105K10
	C	388,389	CCSRCH101J50
	C	390,391(100 uF/25 V)	CCH2000
	C	392,396	CKSSYB103K25
	C	501,510,561,718(10 uF/10 V)	DCH1201
	C	505,515,535,542	CKSRYB474K10
	C	509,513,516,518	CKSSYB104K10
	C	511,524,764,765	CKSRYB105K10
	C	512,514,517,519 (10 uF/10 V)	CCG1201
	C	520,521,525,527	CKSSYB104K10
	C	522,523,526,543(10 uF/10 V)	CCG1201
	C	528,530-533,536(22 uF/6.3 V)	DCH1256
	C	529,534,537,558	CKSSYB104K10
	C	538-541,548,550(22 uF/6.3 V)	DCH1256
	C	554,1601,1634,1639	CKSSYB104K16
	C	562(100 uF/6.3 V)	ACH7275
	C	563,739,762,766	CKSSYB104K10
	C	566,902,903,1009	CCSSCH102J50
	C	701,710,714,733(22 uF/6.3 V)	DCH1256
	C	711-713,715-717	CKSSYB224K6R3
	C	719,720,722-726	CKSSYB224K6R3
	C	721,727,763,781(10 uF/10 V)	DCH1201
	C	728-732,734-738	CKSSYB224K6R3
	C	740,742,744-746	CKSSYB224K6R3
	C	741,743,747,749(22 uF/6.3 V)	DCH1256
	C	748,750-761	CKSSYB224K6R3
	C	767,780,904,1008	CKSSYB104K10
	C	768-779,782-787	CKSSYB224K6R3
	C	901	CKSSYB224K6R3
	C	1001,1002,1004-1006	CCSSCH470J50
	C	1010,1401,1403,1407	CKSSYB104K10
	C	1011,1405,1410,1411	CCSSCH102J50
	C	1201,1202	CCSSCH470J50
	C	1402,1404,2714,2716	CCSSCH100D50
	C	1409,1625,1627,1632	CKSSYB104K10
	C	1412,1413,1903,1920	CKSSYB103K16
	C	1622,1624,1626,1636	CKSSYB102K50
	C	1628,1630	CKSRYB103K25
	C	1633,1635,1901,1906	CKSSYB104K10
	C	1638,1640,2101,2125	CKSSYB102K50
	C	1641,1642,1930,1931	CKSRYB104K25
	C	1902	CEVW220M6R3
	C	1904,1909,1910	CCSSCH102J50
	C	1908,2111,2112,2130	CEVW101M16
	C	1911,1912	CCSSCH121J50
	C	1918,2129,2134,2135	CKSSYB104K10
	C	1921,1922	CEVW470M16
	C	1926,1927	CCSSCH330J50
	C	1932,1933,2113,2114	CCSSCH331J50
	C	2102,2126,2302,2327	CKSRYB104K25
	C	2103,2104,2107,2108	CCSSCH471J50
	C	2106,2123,2124,2127	CCSSCH101J50
	C	2109,2110,2309,2311	CKSRYB123K50
	C	2115,2116,2316,2317(0.012 uF)	ACE7125
	C	2117,2118,2318,2319(3300 pF/50 V)	DCG1049
	C	2121,2122,2322,2323	CCSSCH221J50
	C	2128,2305,2306,2324	CCSSCH101J50
	C	2131,2312,2313,2331	CEVW101M16

Mark	No.	Description	Part No.
	C	2133,2509,2510(100 uF/16 V)	CCH1565
	C	2137,2148,2149,2333(10 uF/10 V)	DCH1201
	C	2138,2310,2330,2335	CKSSYB104K10
	C	2139,2147,2303,2304	CCSSCH471J50
	C	2142,2341,2533,2703	CKSSYB103K16
	C	2144,2145,2343,2344	CEVW101M25
	C	2150,2348,2542,2544(22 uF/6.3 V)	DCH1256
	C	2301,2326,2531,2713	CKSSYB102K50
	C	2307,2308,2346,2347	CCSSCH471J50
	C	2314,2315	CCSSCH331J50
	C	2325,2328,2329,2520	CCSSCH101J50
	C	2332,2507,2508	CEVW101M16
	C	2334,2338,2513,2527(10 uF/10 V)	DCH1201
	C	2336,2506,2511,2512	CKSSYB104K10
	C	2504,2505	CEVW101M25
	C	2514,2522,2526,2528	CKSSYB104K10
	C	2518,2525	CCSSCH221J50
	C	2523,2524	CEVW220M16
	C	2529,2702,2704-2708	CKSSYB104K10
	C	2530	CCSSCH101J50
	C	2532	CKSRYB104K25
	C	2534,2535,2540,2541(10 uF/10 V)	DCH1201
	C	2536-2539	CCSSCH471J50
	C	2701,2709-2712,2715(10 uF/10 V)	DCH1201
	C	2717-2725,2727,2730	CKSSYB104K10
	C	2728,2729,2732,2742	CKSRYB105K10
	C	2731,2734,2736-2739	CKSSYB104K10
	C	2733(10 uF/10 V)	DCH1201
	C	2735,2745	CCSSCH120J50
	C	2741,2744,2746,2748	CKSSYB104K10
	C	2747,2749	CKSSYB103K16
	C	2750,2751	CCSSCH7R0D50
	C	2752(2.2 uF/10 V)	CCG1205

PAD ASSY
Consists of
LCD ASSY
PAD1 ASSY
PAD2 ASSY
USBA ASSY
CRFD ASSY
LVMB ASSY

E J K L N Y

PAD ASSY

SEMICONDUCTORS

Mark	No.	Description	Part No.
	IC	3401	74VHC164FT
	IC	3402,5401,5402,5701	74VHC595FT
	IC	5001	BU90R104
	IC	5002-5004	74LCX541FT
⚠	IC	5101	R1290K103A
	IC	5301	AK4187VN
	IC	5702	74VHC595FT
	Q	3401,3403,3409	RT3N22M
	Q	3402,3404,3406,3408	2SA1577
	Q	3405,3407,5401,5403	LTC124EUB
	Q	3410	2SA1577
	Q	3411-3418,5407-5418	LSCR523UB
	Q	5101	2SAR502UB
	Q	5301-5312	LTC023JEB
	Q	5402,5404,5406,5718	2SB1689
	Q	5405,5717,5719,5721	LTC124EUB
	Q	5419-5438,5701-5708	LTC123JUB
	Q	5720,5722	2SB1689
	Q	5723-5734	LSCR523UB
	Q	5735-5746	LTC123JUB
	D	3401-3407,3409-3415	SML-D12M8W(NP)
	D	3408,3416-3419,3421	SML-D12Y8W
	D	3420,3422,3426,3437	SML-D12V8W
	D	3423-3425,3427,3428	SML-D12Y8W
	D	3429-3435,5301-5304	SML-D12M8W(NP)
	D	3436,5320	SML-D12Y8W
	D	5101-5103	DB3S308F0
	D	5104	DB2J41100
	D	5309-5312,5322,5324	SML-D12M8W(NP)
	D	5313-5316,5318	NHSW146A-A21460
	D	5317	SML-D12V8W
	D	5401-5412,5701-5704	NSSM124F-A21107
	D	5413-5440,5449-5460	1SS355VM
	D	5705-5712,5717-5724	1SS355VM
	D	5713-5716,5725,5727	NSSM124F-A21107
	D	5726,5728,5730	1SS355VM
	D	5729,5731	NSSM124F-A21107
	D	5732-5740,5749-5760	1SS355VM

MISCELLANEOUS

	L	5001,5217 CHIP BEEDS FILTER	BTX1042
	L	5002 CHIP BEEDS FILTER	BTX1047
	L	5003,5004 CHIP SOLID INDUCTOR	XTL3010
	L	5005,5204,5206-5215 CHIP BEADS	VTL1126
	L	5102 CHOKE COIL(22 uH)	CTH1426
	L	5201 INDUCTOR(10 uH)	CTF1635
	L	5202,5216 CHIP INDUCTOR(10 uH)	DTL1105
	L	5218-5226 CHIP BEADS	VTL1126
	JA	6001,6002 USB JACK	DKB1118
	S	5301-5306,5308,5309 TACT SWITCH	DSG1134
	S	5307,5310,5316,5317 PUSH SWITCH	CSG1155
	S	5311 ENCODER SW	DSX1080
	S	5312-5315 TACT SWITCH	DSG1134
	S	5401-5404,5701-5704 PUSH SWITCH	CSG1155
	CN	3401 CONNECTOR	CKS5854
	CN	5001 FFC/FPC CONNECTOR	CKS6543
	CN	5003 CONNECTOR	CKS4428
	CN	5201 FFC/FPC CONNECTOR	CKS6646
	CN	5301 FFC/FPC CONNECTOR	CKS6625
	CN	5401,5701 FFC/FPC CONNECTOR	DKP3953
	CN	6001,6002 CONNECTOR	AKM1277
	CN	6051 CONNECTOR	AKM1289
		5001 SPACER	DEC3622
	VA	6001-6003 SMD VARISTOR	EZJZ1V80010
	VA	6005-6007 SMD VARISTOR	EZJZ1V80010

RESISTORS

	VR	6051 VARIABLE RESISTOR	CCW1024
	R	3401,3412,3423,3430	RS1/10SR431J
	R	3404-3410,3415-3421	RS1/10SR620J
	R	3411,3422,3451	RS1/10SR101J
	R	3426-3429,3433-3440	RS1/10SR620J
	R	3441	RS1/10SR431J

Mark	No.	Description	Part No.
	R	3444-3450,3494	RS1/10SR620J
	R	3468-3471	RAB4CQ101J
	R	5001-5004	RS1/16SS1000D
	R	5006,5237	RAB4CQ103J
	R	5012,5015,5016,5019	RAB4CQ220J
	R	5026,5027,5032,5033	RAB4CQ331J
	R	5103	RS1/16SS3603D
	R	5104	RS1/16SS6802D
	R	5105	RS1/16SS3901D
	R	5110	RS1/16SS1103D
	R	5111	RS1/16SS1002D
	R	5113,5116	RS1/16SS1502D
	R	5115	RS1/16SS8201D
	R	5118	RS1/16SS3303D
	R	5119	RS1/16SS5601D
	R	5122	RS1/16SS3902D
	R	5205,5221	RS1/16SS39R0D
	R	5208,5225	RS1/16SS47R0D
	R	5212,5222	RS1/16SS75R0F
	R	5219,5223	RS1/16SS1300D
	R	5220	RS1/16SS51R0D
	R	5224,5228	RS1/16SS82R0D
	R	5226	RS1/16SS56R0D
	R	5227	RS1/16SS1800D
	R	5229	RS1/16SS1001D
	R	5231	RS1/16SS8200D
	R	5401-5404,5416-5419	RS1/10SR102J
	R	5405-5408,5420-5423	RS1/8SQ471J
	R	5410-5413,5425-5428	RS1/4SA471J
	R	5431-5434,5509,5512	RS1/4SA471J
	R	5435-5438,5791-5794	RS1/8SQ102J
	R	5441-5443,5515	RS1/4SA102J
	R	5449-5451,5553	RAB4CQ222J
	R	5456,5459,5462,5465	RS1/10SR822J
	R	5457,5460,5463,5466	RS1/10SR123J
	R	5458,5461,5464,5467	RS1/10SR103J
	R	5470-5474,5477,5482	RS1/10SR122J
	R	5475,5476,5478-5481	RS1/10SR0R0J
	R	5483-5485,5822-5830	RS1/10SR0R0J
	R	5508,5511,5517,5521	RS1/10SR102J
	R	5510,5513,5519,5522	RS1/8SQ821J
	R	5518,5520,5524,5527	RS1/4SA471J
	R	5523,5526,5529,5532	RS1/10SR102J
	R	5525,5528,5531,5534	RS1/8SQ821J
	R	5530,5533,5738-5741	RS1/4SA471J
	R	5561,5717-5720	RS1/10SR122J
	R	5721-5728,5752-5759	RS1/10SR102J
	R	5729-5732,5760-5763	RS1/8SQ821J
	R	5733-5736,5764-5767	RS1/8SQ471J
	R	5744-5747,5769-5772	RS1/4SA471J
	R	5748-5751	RS1/10SR122J
	R	5775-5778,5783-5786	RS1/4SA471J
	R	5802-5805	RS1/4SA102J
	R	5806-5808,5812	RAB4CQ222J
	R	5809,5813,5816,5819	RS1/10SR822J
	R	5810,5814,5817,5820	RS1/10SR123J
	R	5811,5815,5818,5821	RS1/10SR103J
	R	6051	RS1/10SR0R0J
	Other Resistors		RS1/16SS###J

Mark	No.	Description	Part No.
CAPACITORS			
	C	3402,3409	CCSSCH471J50
	C	3403,3404,5005,5008	CKSSYB104K10
	C	3405,5244-5246,5248	CCSSCH102J50
	C	3406-3408	CCSSCH221J50
	C	5002,5068,5301,5304(10 uF/10 V)	DCH1201
	C	5004,5006,5007,5010	CKSSYB103K16
	C	5009,5020,5022,5030	CKSSYB104K10
	C	5013,5234	CCG1218
	C	5018,5024,5031,5121	CKSSYB103K16
	C	5040-5042,5065,5067	CKSSYB104K10
	C	5069,5110,5113,5123	CKSSYB104K16
	C	5076	CCG1254
	C	5102,5118,5125-5128	CKSSYB102K50
	C	5103,5215,5216	CKSRYB105K10
	C	5104,5114,5220,5247(1 uF/10 V)	DCH1246
	C	5106,5107	CKSQYB105K25
	C	5108	CKSQYB475K6R3
	C	5111,5112	CKSQYB474K25
	C	5116	CKSSYB224K6R3
	C	5117,5211	CKSYB475K16
	C	5119	CKSSYB561K50
	C	5120	CKSSYB332K50
	C	5122,5124,5224,5231(10 uF/16 V)	DCH1263
	C	5212-5214,5227	CKSSYB104K16
	C	5217-5219,5228,5239	CKSSYB104K10
	C	5223,5230,5232	CKSSYB102K50
	C	5225(10 uF/6.3 V)	CCG1234
	C	5235	CKSSYB103K25
	C	5237(4.7 uF/10 V)	CCG1201
	C	5238	CKSQYB334K50
	C	5240	CKSRYB104K25
	C	5241,5302,5303,5411	CKSSYB104K10
	C	5251-5254,6003,6006	CCSSCH102J50
	C	5410,5727	CEVW101M16
	C	5412,5413,5422-5429	CKSSYB103K16
	C	5414-5421,5703-5710	CCSSCH101J50
	C	5430,5713(10 uF/10 V)	DCH1201
	C	5701,5702,5720-5725	CKSSYB103K16
	C	5728,5729,6002,6005	CKSSYB103K16
	C	5730,6052	CKSSYB104K10
	C	6051	CKSSYB471K50

JCK ASSY
Consists of
UCOM ASSY
AOUT ASSY
MCJK ASSY

BFG

JCK ASSY

SEMICONDUCTORS

	IC	4001	DYW2022*
		*Part number of the initial firmware equipped	
	IC	4002	S-80930CNMC-G80
	IC	4003	DYW2023*
		*Part number of the initial firmware equipped	
	IC	4501	USB2512B-AEZG-TR
⚠	IC	4502,4503	BD9328EFJ

Mark	No.	Description	Part No.
	IC	4504,4505	TPS2557DRB
	IC	4506	AK4382AVT
	IC	4507-4509,4513,4901	NJM4580MD
	IC	4510,4511,4514,4515	NJM4580DD
	IC	4512	AK4384ET
	IC	4902	NJM4580MD
	Q	4001,4002	LTC043EEB
	Q	4003	LTA024EEB
	Q	4004,4006	LSAR523UB
	Q	4005,4007	LTC024EEB
	Q	4501	RN2903
	Q	4503,4504	RT3N22M
	Q	4507-4516,4519-4534	INC2002AC1
	Q	4535	HN1C01FUS1
	Q	4901-4904	2SK209
	D	4001-4006,4503	1SS355VM
	D	4501,4502	DZ2J051M0

MISCELLANEOUS

	L	4001,4002 CHIP COIL	LCTAW330J2520
	L	4003 POWER INDUCTOR	ATH7053
	L	4004-4007 CHIP BEADS	VTL1126
	L	4501,4502 COIL	ATH7015
	L	4503,4504 INDUCTOR(15 uH)	CTH1253
	F	4501 EMI FILTER	CCG1352
	JA	4501 RCA JACK	DKB1122
	JA	4502,4503 CANON CONNECTOR	DKB1093
	JA	4504,4505 6.5 DIA JACK	DKN1653
	JA	4901,4902 XLR SOCKET	DKB1124
	X	4001 CERAMIC OSCILLATOR(16 MHz)	CSS1616
	X	4501 RESONATOR(24 MHz)	CSS1773
	CN	4003,4004 FFC/FPC CONNECTOR	DKP3953
	CN	4005,4009 39P CONNECTOR	VKN2097
	CN	4006,4008 15P CONNECTOR	VKN1246
	CN	4007 35P CONNECTOR	VKN2025
	CN	4010 FFC/FPC CONNECTOR	CKS6543
	CN	4011-4013 L-PLUG(3P)	KM200NA3L
	CN	4501-4503 19P PLUG	AKM7077
	CN	4504,4505 CONNECTOR	AKM1277
	CN	4901 CONNECTOR	CKS3561
	CN	4902 9P CONNECTOR	09P-1.25FJ
		4501 CANON SHIELD	DNF1789
		4502,4503 PHONE SHIELD	DNF1875
		4901,4902 MIC SHIELD	DNF1849
	VA	4501,4503-4506,4511 VARISTORS	EZJZ1V270RM
	VA	4512,4901-4906 VARISTORS	EZJZ1V270RM

RESISTORS

	R	4018,4021,4022	RAB4CQ560J
	R	4024-4026,4036,4038	RAB4CQ560J
	R	4027,4033,4223,4224	RAB4CQ223J
	R	4029	RAB4CQ103J
	R	4061,4092,4105,4110	RAB4CQ560J
	R	4088-4091,4116	RAB4CQ101J
	R	4112,4128,4133,4135	RAB4CQ560J
	R	4173,4174	RAB4CQ560J
	R	4202-4205,4207-4210	RS1/4SA2R0J
	R	4212-4215	RS1/4SA2R2J
	R	4502,4748	RAB4CQ472J
	R	4506,4507,4701,4702	RS1/16SS33R0D
	R	4518	RS1/16SS1202F
	R	4520,4521	RS1/10SR102J
	R	4526,4527	RS1/10SR220J
	R	4529,4533	RS1/10SR1100D
	R	4530,4534	RS1/16SS4702D
	R	4531,4535	RS1/16SS1002D
	R	4552,4553	RS1/10SR2702F
	R	4554,4555	RS1/10SR5602F
	R	4573,4574,4587,4588	RS1/10SR513J
	R	4575-4582,4710,4711	RS1/10SR0R0J
	R	4593-4600	RS1/10SR3301D
	R	4601-4608	RN1/16SE1202D
	R	4609-4616,4724-4731	RS1/10SR2701D
	R	4617-4624	RS1/8SQ5600F
	R	4625-4628,4637-4640	RS1/10SR223J
	R	4629-4632	RS1/8SQ2700F
	R	4641-4644,4649,4650	RS1/10SR1800F
	R	4651-4658	RS1/10SR5601D
	R	4659,4663	RS1/10SR2202D
	R	4660,4661	RS1/10SR1202D
	R	4662,4664	RS1/10SR6800D
	R	4665-4672,4722,4723	RN1/16SE6801D
	R	4673,4674,4689-4692	RS1/10SR183J
	R	4675-4678,4766	RS1/4SA471J
	R	4683-4686,4744-4747	RS1/10SR2201D
	R	4687,4688	RS1/10SR103J
	R	4695-4698,4714,4715	RS1/10SR183J
	R	4699,4700	RS1/10SR1800F
	R	4713,4905-4908	RS1/10SR0R0J
	R	4716,4717	RS1/10SR6801D
	R	4718,4719	RS1/10SR1201D
	R	4720,4721	RN1/16SE2001D
	R	4732-4739	RN1/16SE8201D
	R	4740-4743	DCN1200
	R	4749-4756	RS1/10SR183J
	R	4757-4760	RS1/10SR680J
	R	4768-4770	RS1/4SA471J
	R	4901-4904	RN1/16SE2200D
	R	4909-4912	RN1/16SE3301D
	R	4913,4914,4927,4928	RN1/16SE2701D
	R	4915,4916,4924,4926	RN1/16SE4701D
	R	4917,4918,4921,4922	RN1/16SE1501D
	R	4919,4920	RN1/16SE8200D
	R	4923,4925	RS1/10SR1500D
	R	4929,4930	RS1/10SR2201D
	R	4931,4932	RN1/16SE4702D
		Other Resistors	RS1/16SS###J

CAPACITORS

	C	4001,4015,4055,4110	CEVW101M16
	C	4002,4020,4026,4030	CKSSYB104K10
	C	4003-4014,4076,4077	CCSSCH102J50
	C	4018,4019,4021-4025	CCSSCH471J50
	C	4028,4029,4033,4034	CCSSCH471J50
	C	4031,4508,4550,4551	CKSSYB103K16
	C	4035,4036,4056,4078	CKSSYB104K10
	C	4037-4046,4048-4051	CCSSCH471J50
	C	4047	CKSRYB273K16
	C	4052-4054,4091,4092	CCSSCH101J50
	C	4057-4075,4082,4083	CCSSCH471J50
	C	4080,4502,4534,4535	CCSSCH102J50

Mark	No.	Description	Part No.
	C	4081,4085,4105,4111	CKSSYB104K10
	C	4086-4090,4923,4924	CCSSCH471J50
	C	4109,4119,4133,4151	CCSSCH101J50
	C	4112,4120,4134,4136	CEVW101M16
	C	4113,4121-4124,4131	CKSSYB104K10
	C	4132,4137,4148,4150	CKSSYB104K10
	C	4135,4542,4543	CKSSYB104K16
	C	4138,4515	CEVW101M16
	C	4139	CCSSCH100D50
	C	4149,4507,4552,4553(10 uF/10 V)	DCH1201
	C	4504	CKSSYB103K25
	C	4506,4660-4662(100 uF/16 V)	CCH1565
	C	4509,4511,4518,4652	CCSRCH102J50
	C	4510,4514,4519	CCSRCH101J50
	C	4512,4521,4523	CKSSYB104K10
	C	4513(4700 pF/63 V)	ACE7115
	C	4516,4522,4585(1 uF/25 V)	ACE7129
	C	4517,4525,4608,4610(100 uF/25 V)	CCH2000
	C	4520(4.7 uF/10 V)	CCG1201
	C	4524	CCSSCH120J50
	C	4526-4529,4533,4564	CKSSYB104K10
	C	4532	CCSSCH150J50
	C	4538-4541(10 uF/16 V)	DCH1263
	C	4544,4545	CKSSYB102K50
	C	4546-4549,4580,4656	CKSSYB104K16
	C	4558,4559,4574,4575	CEHVAW101M6R3
	C	4560,4561,4566,4568	CKSSYB103K16
	C	4562,4563,4570-4573(10 uF/10 V)	DCH1201
	C	4565,4639,4659,5001	CKSSYB104K10
	C	4569,4927,4928	CKSSYB103K16
	C	4581,4937,4938	CCSSCH101J50
	C	4582,4658,4909-4917	CCSSCH102J50
	C	4583(0.1 uF/35 V)	ACE7100
	C	4586,4631,4632(220 uF/16 V)	CCH2090
	C	4591-4594	CCSRCH331J50
	C	4595-4602,4621-4628	CCSRCH101J50
	C	4616,4618,4629,4630(100 uF/25 V)	CCH2000
	C	4633,4634,4691,4902	CKSRYB103K50
	C	4635-4638(220 uF/16 V)	CCH2090
	C	4642,4643,4648-4651(1000 pF)	ACE7099
	C	4657	CEVW220M6R3
	C	4663,4664,4901,4903	CCSRCH102J50
	C	4665,4666	CCSRCH221J50
	C	4669-4676(100 pF/50 V)	DCG1062
	C	4681-4684(100 uF/16 V)	CCH1565
	C	4686-4689(1000 pF)	ACE7099
	C	4904	CKSRYB103K50
	C	4905-4908	ACE7113
	C	4919	CCSSCH102J50
	C	4925,4926	CCSRCH101J50
	C	4929,4930	CCSSCH331J50
	C	4931,4932	CCSSCH471J50
	C	4939,4940	CEVW101M25

Mark	No.	Description	Part No.
JOG ASSY			
Consists of			
JLED1 ASSY			
JLED2 ASSY			
JOGT1 ASSY			
JOGT2 ASSY			

SUWX

JOG ASSY

SEMICONDUCTORS

	IC	3001-3005,3101-3105	74VHC595FT
NSP	IC	3201,3301	PIC10F206-I/OT
	IC	3202,3302	74VHCT126AFT
	D	3001-3035,3042	NHSW146A-A21460
	D	3036-3041,3043,3044	FC-F1608BAK5
	D	3101-3136	NHSW146A-A21460
	D	3137-3144	FC-F1608BAK5
	D	3201,3301	RB520G-30
	D	3202,3302	DAN217UM

MISCELLANEOUS

	L	3201,3202,3204,3301 INDUCTOR	CTF1786
	L	3205,3206,3305,3306 CHIP BEADS	VTL1126
	L	3302,3304 INDUCTOR	CTF1786
	KN	3201,3202 WRAPPING TERMINAL	CKF1089
	KN	3301,3302 WRAPPING TERMINAL	CKF1089
	CN	3001,3101 FFC/FPC CONNECTOR	CKS6634
	CN	3202,3302 CONNECTOR	AKM1275
	CN	3203,3303 15P CONNECTOR	VKN1307
	CN	3204,3304 FFC/FPC CONNECTOR	CKS6634
	VA	3201,3202,3301 SMD VARISTOR	EZJZ1V80010
	VA	3302 SMD VARISTOR	EZJZ1V80010

RESISTORS

	R	3201,3202,3301,3302(750 ohm)	DCN1187
	R	3206,3306	RS1/16SS2202D
	R	3213,3218,3313,3318	RS1/10SR0R0J
	R	3219,3319	RAB4CQ221J
		Other Resistors	RS1/16SS###J

CAPACITORS

	C	3001,3006-3009,3101	CKSSYB104K10
	C	3002-3005,3102-3105	CCSSCH221J50
	C	3010-3013,3110-3113	CCSSCH102J50
	C	3014,3114,3205,3305(10 uF/10 V)	DCH1201
	C	3106-3109,3202,3203	CKSSYB104K10
	C	3201,3301	CCSSCH221J50
	C	3204,3304	CEVW101M16
	C	3206,3302,3303,3306	CKSSYB104K10
	C	3208,3211,3308,3311	CCSSCH220J50

Mark	No.	Description	Part No.
MXR ASSY			
Consists of			
MXRB ASSY			
MTRM ASSY			
HPJK ASSY			

CDM

MXR ASSY

SEMICONDUCTORS

IC	7001	TC74VHC164F
IC	7002,7003	TC74HC4052AF
Q	7001,7002,7004,7005	LTC124EUB
Q	7003,7006,7009	ISA1602AM1
Q	7007,7008,7012-7014	LTC124EUB
Q	7010,7011,7015-7017	LSCR523UB
Q	7018	HN1A01FUS1
Q	7019	HN1C01FUS1
Q	7020	LSCR523UB
Q	7021	LTA143EUB
D	7001-7003,7006-7011	1SS355VM
D	7004,7005,7012,7013	SLR343WBC7T
D	7014-7016,7019,7020	1SS355VM
D	7017	SLR343BD2T
D	7018	LTL17KGH5D
D	7022-7026,7033,7034	1SS355VM
D	7027-7032	LTL17KSL5D

MISCELLANEOUS

JA	7601	HEADPHONE JACK	DKN1622
JA	7602	STEREO MINI JACK	XKN3017
KN	7601	SCREW PLATE	VNE1948
S	7001,7003,7005	TACT SWITCH	DSG1079
S	7002,7004,7006	SLIDE SWITCH	DSH1058
S	7007-7011,7013-7015	TACT SWITCH	DSG1079
S	7012	SLIDE SWITCH	DSH1058
S	7016	ROTARY ENCODER	DSX1136
S	7017	ROTARY SWITCH	DSG1144
S	7018	ROTARY SWITCH	DSG1098
CN	7001	19P CONNECTOR	VKN1250
CN	7002	39P CONNECTOR	VKN2097
CN	7501	PLUG	CKS3533
CN	7601	L-PLUG(4P)	KM200NA4L
VA	7601-7603	VARISTORS	EZJZ1V270RM

RESISTORS

VR	7001-7003,7007,7011	ROTARY VR	DCS1104
VR	7004-7006,7008-7010	ROTARY VR	DCS1078
VR	7012,7013,7017	ROTARY VR	DCS1078
VR	7014	ROTARY VR	DCS1104
VR	7015,7016	ROTARY VR	DCS1126
VR	7501,7502	ROTARY VR	DCS1123
R	7014		RS1/4SA561J
R	7015,7097		RS1/4SA471J
Other Resistors			RS1/10SR###J

CAPACITORS

C	7001,7004	CCSRCH471J50
C	7005,7014,7015	CKSRYB104K10
C	7006-7013,7020-7027	CKSRYB471K50
C	7028-7042,7044-7048	CKSRYB104K10
C	7043,7057,7058(10 uF/10 V)	DCH1201
C	7049,7050	CEJQ101M16
C	7053,7054,7603-7606	CKSRYB104K16
C	7055,7056	CKSRYB104K10
C	7501-7504	CEAL101M16
C	7601,7602,7609,7610(220 uF/6.3 V)	DCH1344
C	7607,7608	CKSRYB103K50

PNL1 ASSY			
Consists of			
DCK1 ASSY			
MEQB ASSY			
RECB ASSY			
CHF1 ASSY			
CHF2 ASSY			

HIOPR

PNL1 ASSY

SEMICONDUCTORS

IC	8201	TC74VHC164F
IC	8202	TC74HC4052AF
Q	8001-8003,8101,8102	LTC124EUB
Q	8103,8108	LTC123JUB
Q	8104,8107,8109,8112	2SAR502UB
Q	8105,8106,8110,8114	LTC124EUB
Q	8111,8113	HN1A01FUS1
Q	8115	2SAR502UB
Q	8116,8117,8404,8405	LSCR523UB
Q	8118,8401,8402	LTC124EUB
Q	8403	LSAR523UB
D	8001-8019,8401-8403	1SS355VM
D	8101,8103	LTL17KGH5D
D	8102,8104,8105,8108	LTL17KSL5D
D	8106,8107,8113,8301	LTL17KRH5D
D	8109,8112	LTL17KSL5D
D	8110	LTL17KCBH5D
D	8111	SLR343WBC7T
D	8404-8406	LTL17KRH5D

MISCELLANEOUS

KN	8001,8301	EARTH TERMINAL	AKF7002
S	8001,8003-8006	TACT SWITCH	DSG1089
S	8002,8007,8008,8013	TACT SWITCH	DSG1079
S	8009-8012,8014-8019	TACT SWITCH	DSG1089
S	8020,8021	TACT SWITCH	DSG1117
S	8301	SLIDE SWITCH	DSH1058
S	8302	PUSH SW	ASG1102
S	8401-8404	TACT SWITCH	DSG1089
CN	8201	39P CONNECTOR	VKN2097
CN	8202,8301	17P CONNECTOR	VKN1248
CN	8401	15P CONNECTOR	VKN1246
CN	8501,8601	L-PLUG(3P)	KM200NA3L
VA	8002,8003	VARISTORS	EZJZ1V270RM

RESISTORS

VR	8001	ROTARY VR	DCS1104
VR	8002	SLIDE VR	DCV1033
VR	8301,8302	ROTARY VR	DCS1078
VR	8501,8601	SLIDE VR	DCV1027
Other Resistors			RS1/10SR###J

CAPACITORS

C	8003,8302(10 uF/10 V)	DCH1201

Mark	No.	Description	Part No.
C	8004,8201-8203,8210		CKSRYB104K10
C	8204,8206		CEJQ101M16
C	8205,8401		CKSRYB105K10
C	8208,8209,8211,8212		CCSRCH471J50
C	8213,8301,8306,8307		CKSRYB104K10
C	8214-8219		CCSRCH471J50
C	8304,8305		CKSRYB471K50

Mark	No.	Description	Part No.
C	9402,9502		CKSRYB103K50

Z SW POWER SUPPLY

There is no service parts.

PNL2 ASSY
Consists of
DCK2 ASSY
JOG1 ASSY
JOG2 ASSY
DKHD ASSY
HPHD ASSY
HMHD ASSY

QTV

PNL2 ASSY

SEMICONDUCTORS

IC	9201		TC74VHC164F
Q	9001-9003,9101,9102		LTC124EUB
Q	9103,9108		LTC123JUB
Q	9104,9107,9110,9113		2SAR502UB
Q	9105,9106,9109,9111		LTC124EUB
Q	9112,9114		HN1A01FUS1
Q	9115		LTC124EUB
Q	9116		2SAR502UB
Q	9117,9118		LSCR523UB
D	9001-9019		1SS355VM
D	9101,9103		LTL17KGH5D
D	9102,9104,9105,9108		LTL17KSL5D
D	9106,9107,9113		LTL17KRH5D
D	9109,9112		LTL17KSL5D
D	9110		LTL17KCBH5D
D	9111		SLR343WBC7T

MISCELLANEOUS

KN	9001	EARTH TERMINAL	AKF7002
S	9001,9002,9004-9006	TACT SWITCH	DSG1089
S	9003,9007,9008,9012	TACT SWITCH	DSG1079
S	9009-9011,9013-9019	TACT SWITCH	DSG1089
S	9020,9021	TACT SWITCH	DSG1117
CN	9201	35P CONNECTOR	VKN2025
CN	9202	15P CONNECTOR	VKN1246
JP	9401,9501	CONNECTOR ASS'Y	PF04PG-Q07
PC	9401,9501	PHOTO INTERRUPTER	KE-2N18-15
VA	9002,9003	VARISTORS	EZJZ1V270RM

RESISTORS

VR	9001	ROTARY VR	DCS1104
VR	9002	SLIDE VR	DCV1033
Other Resistors			RS1/10SR###J

CAPACITORS

C	9003(10 uF/10 V)		DCH1201
C	9004,9201,9202,9206		CKSRYB104K10
C	9203,9401,9501		CKSRYB105K10
C	9204,9207		CEJQ101M16
C	9208,9209		CCSRCH471J50
C	9210		CKSRYB104K10